

CHAS. H. STEHLING CO.

DESIGNERS AND BUILDERS OF

TANNERIES

AND

TANNERS MACHINERY

1914

MILWAUKEE, WIS. U.S.A.

Chas. H. Stehling Co.

Designers and Builders of
Tanneries, Hide and Leather
Working Machinery,
Tanners' and Curriers' Tools

General Catalogue
1914

401 to 415 Fourth Street
Milwaukee, Wis., U. S. A.



THE FACTORY OF CHAS. H. STEHLING CO., MILWAUKEE, WIS.

THE MEN DEVOTING THEIR TIME
OPERATING IT



GEO. T. STEHLING, Vice Pres.



LOUIS F. STEHLING, Director



CHAS. H. STEHLING
President and Treasurer



JOE. J. STEHLING, Sec.



HUGO J. STEHLING, Director

To the Tannery Trade

IN ISSUING this Catalogue, it is not the intention of our Company to show the Trade a lot of Machinery and Tools, which are fully known and familiar to the Tanners, but in order to let the Trade know that we can supply them with everything used in the manufacture of Leather we are, however, obliged to insert such Machinery, Supplies and Tools, which are in daily use and demand, and which we keep in stock.

The manufacturing of Leather having gone into entirely different and more modern methods, the Old Ways, Construction and Layouts of Tanneries being a thing of the past, and, in fact, not every Tanner, being practical, neither having nor taking the time to study, how he can best rebuild or remodel his old plant into a modern and paying system, our point in showing this Catalogue, is to let the Trade know that there is such a Company, making it their Specialty of following up the different methods and ways of modern tannage, and studying up the best means and ways of laying out a plant to secure complete success to the Tanner.

The senior member of our Company, Mr. Chas. H. Stehling, (formerly a tanner,) and also his sons have made it their specialty for the past thirty-five years of designing and equipping Tanneries, thereby becoming familiar with the wants and needs of the Trade, and for this reason our Company is able today to show up quite a number of the most modern Tannery plants throughout this Country, that we have designed and equipped.

The name of our Company needs no recommendation, for the work done by us so far is too well known among the Tannery Trade. The members of our Company, all being practical draughtsmen and mechanics themselves, are therefore able to design and do your work, and if so required, we will design, build and equip your whole Tannery plant, with all the power and machinery, in fact, turn the whole plant over to the Owners in complete running order. We have our own Machinery and Wood Working Departments, and have the best of facilities to handle any work required in the Tannery Trade.

Soliciting your correspondence on any matter contained in this Catalogue, we are

Very respectfully yours,

Chas. H. Stehling Company

Milwaukee, Wis., U. S. A.

Tanneries of ALBERT TROSTEL & SONS COMPANY, Milwaukee, Wis.
Designed and Equipped by Us.



CHAS. H. STEINING CO., MILWAUKEE, WIS.



Tannery of C. ANSTEDT LEATHER CO., Milwaukee, Wis.
Designed and Equipped by Us.

CHAS. H. STREILING CO., MILWAUKEE, WIS.



TANNERIES OF PFISTER & VOGEL LEATHER CO., MILWAUKEE, WIS.

CHAS. H. STEWING CO., MILWAUKEE, WIS.



Tannery of HERMAN ZÖHRLAUT LEATHER CO., Milwaukee, Wis.
Partly Designed and Equipped by Us.

CHAS. H. STREILING CO., MILWAUKEE, WIS.



Tannery of A. F. GALLUN & SONS, Milwaukee, Wis.

CHAS. H. STEHLING CO., MILWAUKEE, WIS.



Tannery of CONRAD BROTHERS, Milwaukee, Wis.
Designed and Equipped by Us.

CHAS. H. SPEHLING CO., MILWAUKEE, WIS.



Tannery of AMERICAN HIDE AND LEATHER CO.. Milwaukee, Wis.
Designed and Equipped by Us.



Tannery of WESTERN RAWHIDE & BELTING CO., Milwaukee, Wis.
Designed and Equipped by Us.

CHAS. H. STEINING CO., MILWAUKEE, WIS.



Tannery of GEO. MARTIN LEATHER CO., Milwaukee, Wis.
Designed and Equipped by Us.



TANNERY OF AMERICAN HIDE AND LEATHER COMPANY, SHEBOYGAN, WIS.

Partly Designed and Equipped by U.S.

CHAS. H. STEHLING CO., MILWAUKEE, WIS.

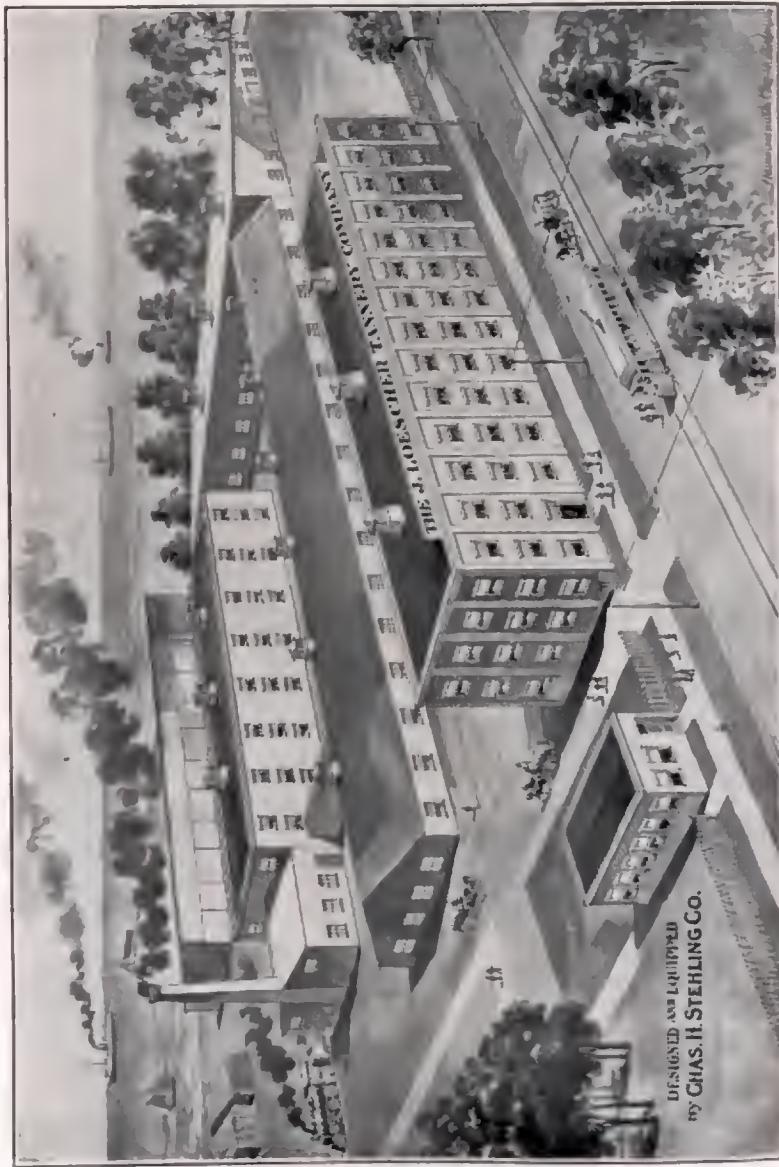
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Tannery of FRED RUEPING LEATHER CO., Fond du Lac, Wis.

Designed by Us.

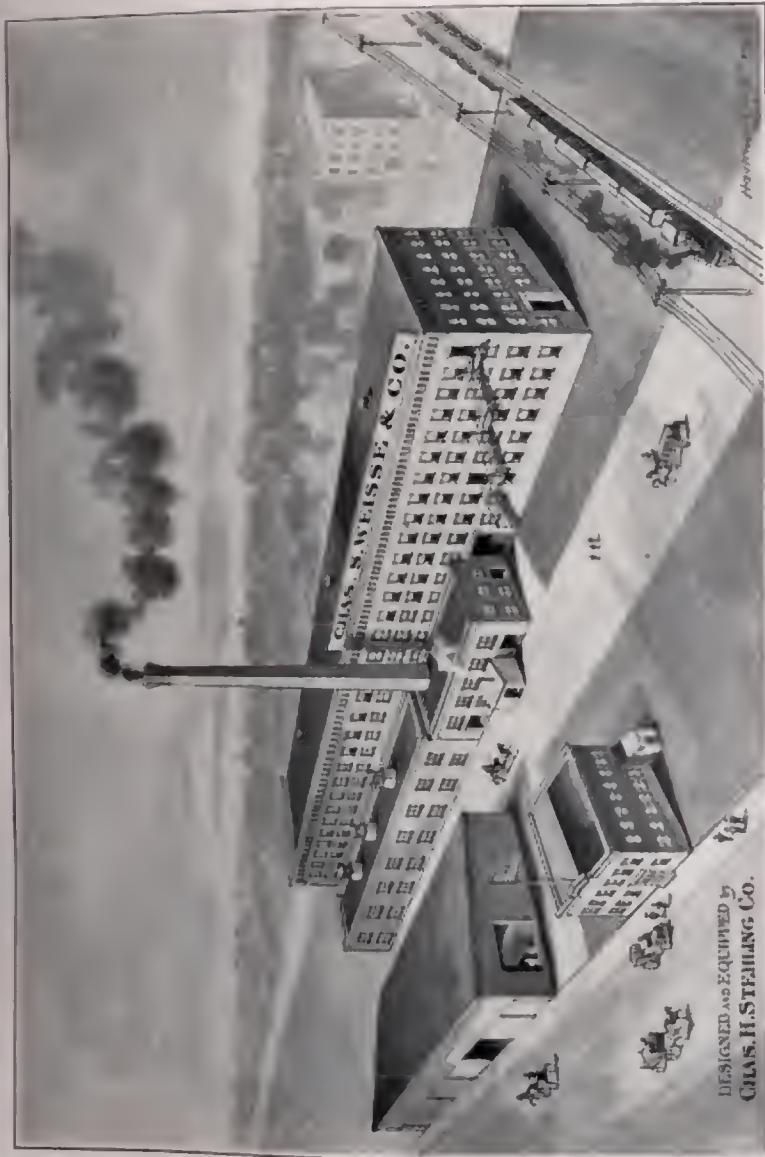
CHAS. H. STEHLING CO., MILWAUKEE, WIS.



THE J. LOESCHER TANNERY COMPANY, Muskegon, Mich.
Designed and Equipped by Us.

CHAS. H. STEINING CO., MILWAUKEE, WIS.

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Tannery of CHAS. S. WEISSE & CO., Sheboygan Falls, Wis.

Designed and Equipped by Us.

DESIGNED AND EQUIPPED BY
CHAS. H. STEINING CO.



Tannery of NORTHWESTERN LEATHER CO., Sault Ste. Marie, Mich.
Designed by Us.

DESIGNED BY
CHAS. H. STEMLING MICH.

CHAS. H. STEUING CO., MILWAUKEE, WIS.

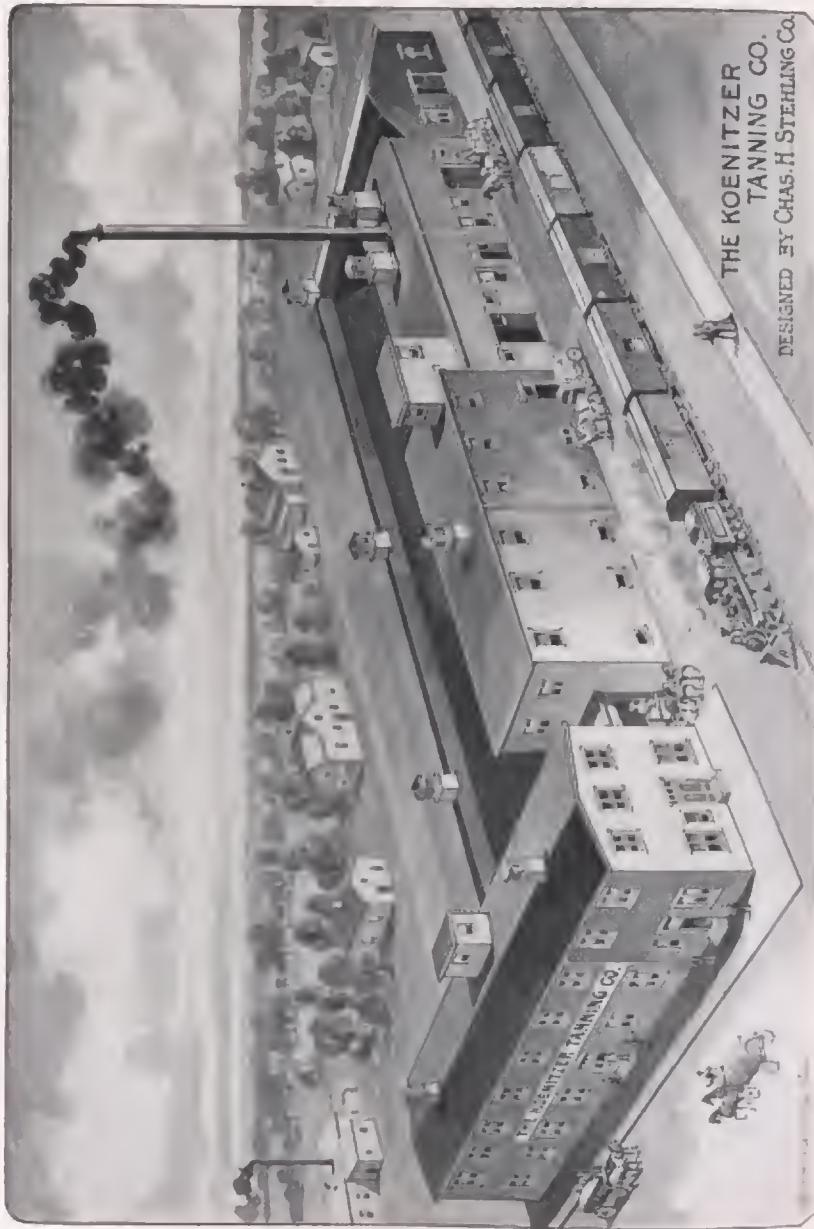


DESIGNED AND EQUIPPED BY
CHAS. H. STEUING CO.

Tannery of THE OHIO LEATHER COMPANY, Girard, Ohio.

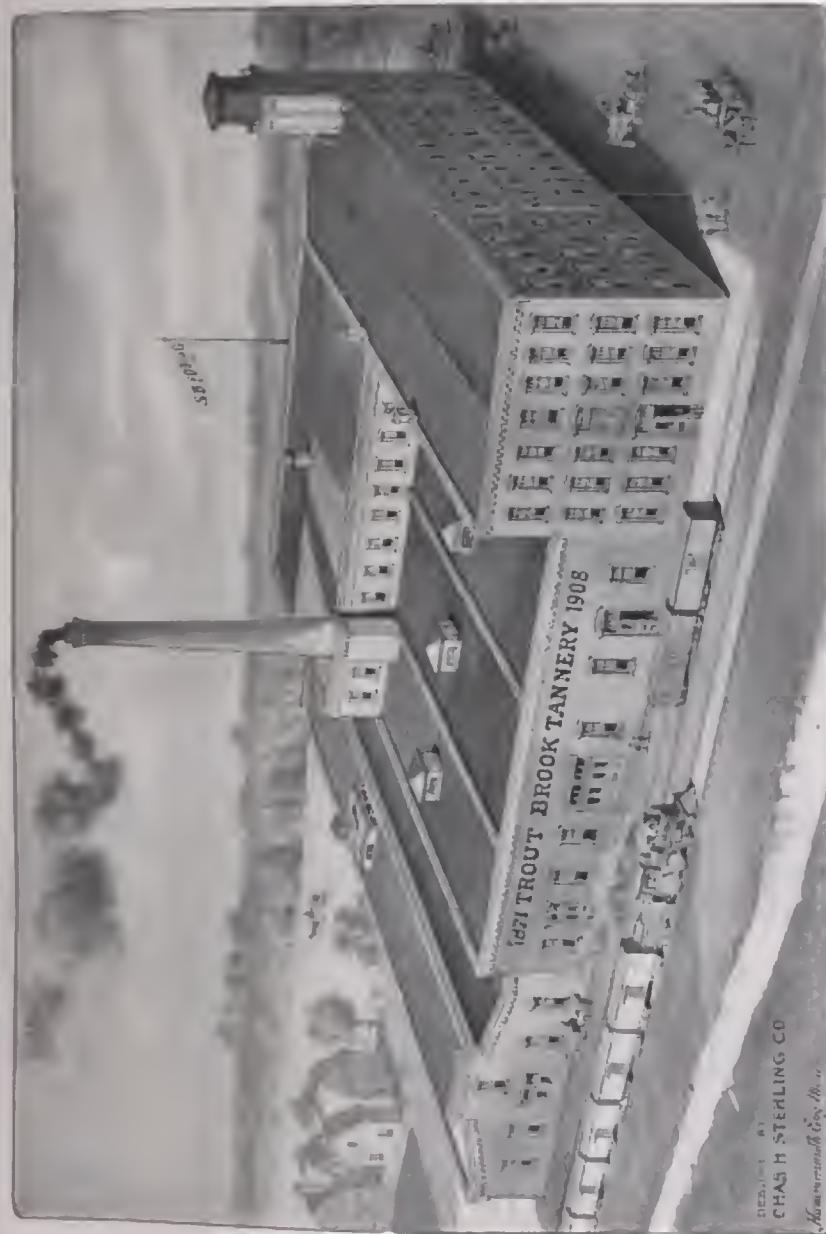
Designed and Equipped by Us.

CHAS. H. STEHLING CO., MILWAUKEE, WIS.



Tannery of THE KOENITZER TANNING CO., Saginaw, Mich.
Designed and Equipped by CHAS. H. STEHLING CO.

CHAS. H. STEHLING CO., MILWAUKEE, WIS.



DESIGNED BY
CHAS H STEHLING CO
Hannan & Stehlings Co., Inc.

Tannery of S. B. FOOT & CO., at Red Wing, Minn.
Designed and Equipped by Us.

NATIONAL LAYHER CO.

CHAS. H. STEHLING CO., MILWAUKEE, WIS.



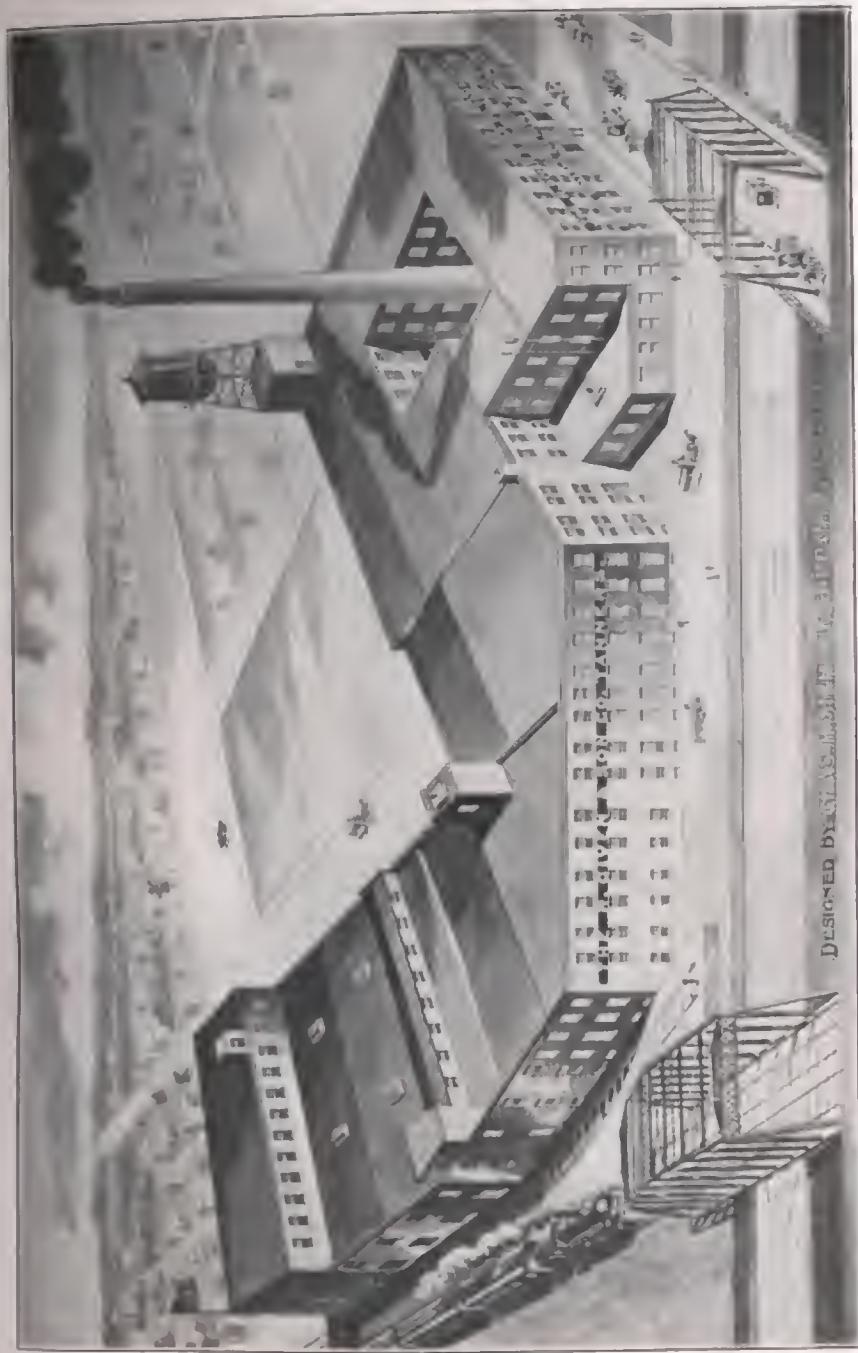
Designed & Equipped by CHAS. H. STEHLING CO.
MILWAUKEE, WIS.

Tannery of HESS & HOPKINS LEATHER CO., Rockford, Ill.
Designed and Equipped by Us.

CHAS. H. STRUHLING CO., MILWAUKEE, WIS.



THE SOLE LEATHER TANNERY at Tomahawk, Wis.
Designed and Equipped by Us.



Designed by R. Given & Son Co., Sidney, Ohio.

Tannery of THE R. GIVEN & SON CO., Sidney, Ohio.
Designed by Us.

CHAS. H. STREILING CO., MILWAUKEE, WIS.



Tannery of SHULTZ BELTING CO., St. Louis, Mo.

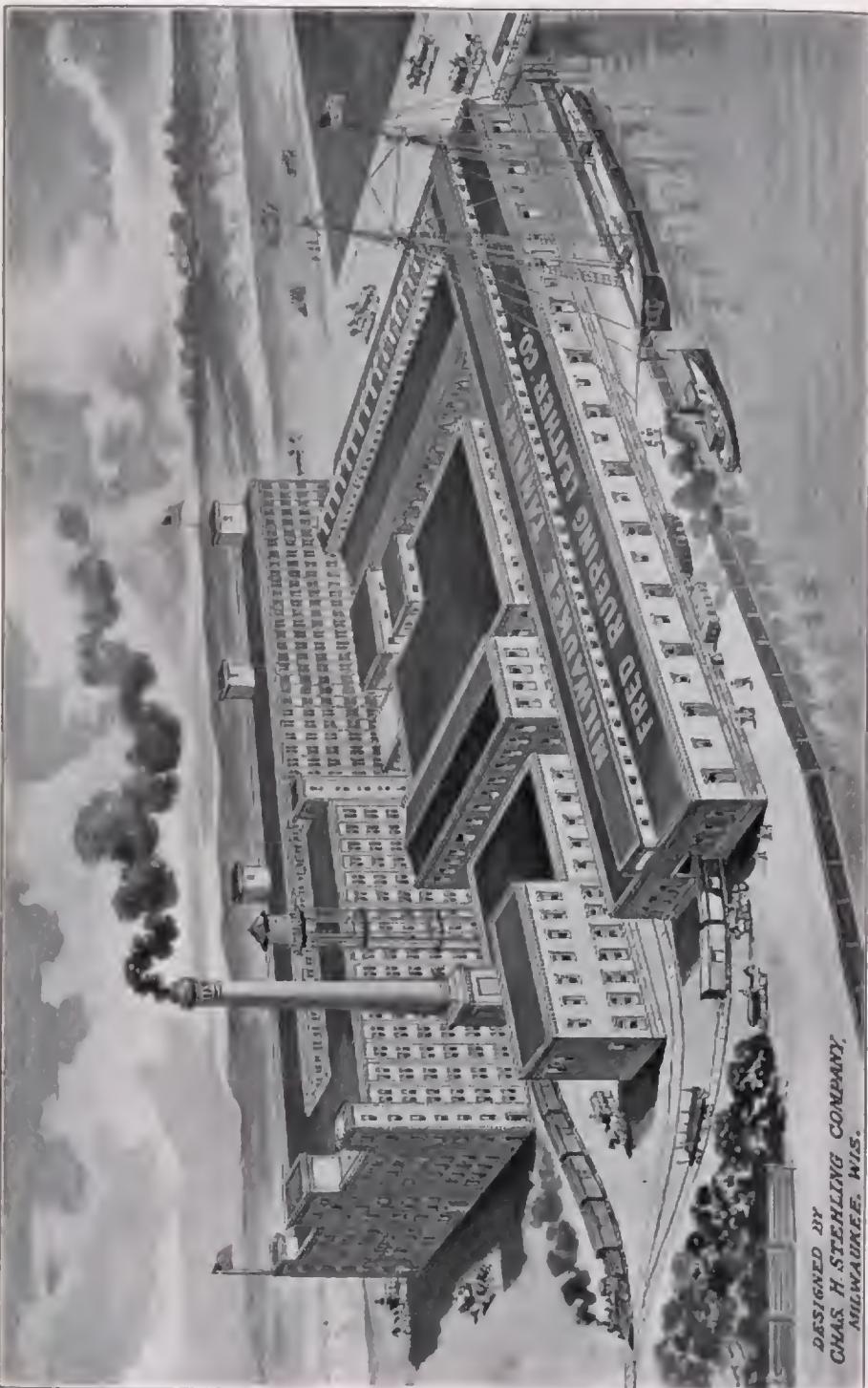
Designed and Equipped by Us.

CHAS. H. STEULING CO., MILWAUKEE, WIS.



Tannery of GUTMANN & CO., Chicago, Ill.

Designed and Equipped by Us.



*DESIGNED BY
CHARLES H. STEPHENS, COMPANY,
MILWAUKEE, WIS.*

The Proposed Milwaukee Tannery of FRED RUEPING LEATHER CO.
Designed by Us.

CHAS. H. STRUELING CO., MILWAUKEE, WIS.



Tannery of THE BARRIE TANNING CO., Barrie, Ont.
Designed by Us.



Tannery of THE H. V. BRETNAY COMPANY, Springfield, Ohio.

Designed and Equipped by Us.

CHAS. H. STEINING CO., MILWAUKEE, WIS.

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Tannery of The ARMSTRONG TANNING CO., Detroit, Mich.
Designed and Equipped by Us.

CHAS. H. STEINING CO., MILWAUKEE, WIS.

Concrete Construction.



ABERDEEN CONSTRUCTION CO., BOSTON, MASS.

Exterior View of the Hide and Beam House of The AMERICAN HIDE & LEATHER CO., Lowell, Mass.
Designed by Us.

CHAS. H. STEHLING CO., MILWAUKEE, WIS.

Concrete Construction.



ABERTHAW CONSTRUCTION CO. BOSTON, MASS.

Exterior View of the Hide and Beam House of the AMERICAN HIDE & LEATHER CO., Lowell, Mass.

Designed by Us.

CHAS. H. STEUING CO., MILWAUKEE, WIS.



ALSTROM CONSTRUCTION CO., BOSTON, MASS.

Oct 11 1870

Interior View of the Soak and Lime House of the AMERICAN HIDE & LEATHER CO., at Lowell Mass.
Designed by Us.

CHAS. H. STEUING CO., MILWAUKEE, WIS.



Interior View of the Bate and Pickling Room of the AMERICAN HIDE & LEATHER CO., Lowell, Mass.
Designed by Us.

CHAS. H. STRUELLING CO., MILWAUKEE, WIS.



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ABERTHAW CONSTRUCTION CO., BOSTON, MASS.

Interior View of the Hide House of the AMERICAN HIDE & LEATHER CO., Lowell, Mass.
Designed by Us.

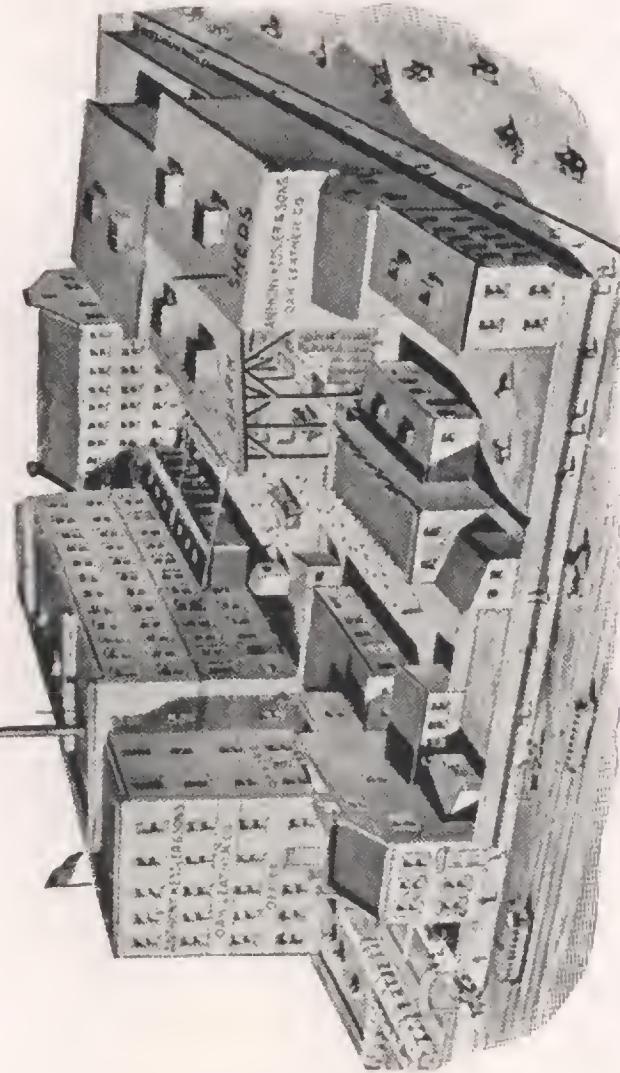
CHAS. H. STEINING CO., MILWAUKEE, WIS.



Interior View of the Hair Drying Room of the AMERICAN HIDE & LEATHER CO., Lowell, Mass.
Designed by Us.

CHAS. H. STEHLING CO., MILWAUKEE, WIS.

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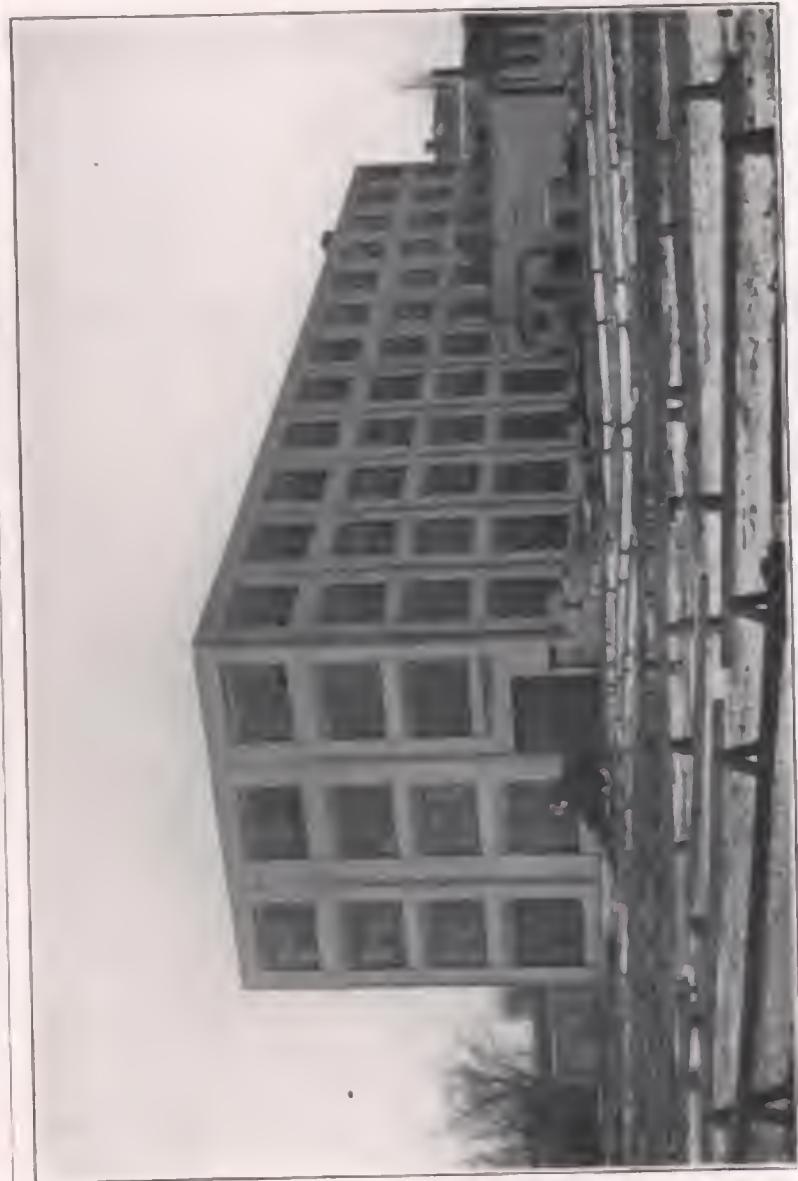
Tannery of ANTHONY KESSLER'S SONS OAK LEATHER CO., St. Louis, Mo.

Designed and Equipped by Us.



Tannery of the EAGLE TANNING WORKS, at Whitehall, Mich.
Designed by Us.

CHAS. H. STEINING CO., MILWAUKEE, WIS.



Tannery of THE FORSYTH LEATHER CO., Milwaukee, Wis.
Designed and Equipped by Us.



CONCRETE VATS.
Showing the Construction of Vats before Building was Erected.

CONCRETE BEAM HOUSE AND TAN YARD.
Showing Vats, Columns, Walls and Roof from the Interior of Building all constructed of Concrete.



CHAS. H. STEHLING CO., MILWAUKEE, WIS.-



Tannery of The GEO. J. HOFFMAN & SON TANNING CO., Malta, Ohio.

Designed and Equipped by Us.

IMPORTANT TO TANNERS

We build and handle quite a number of machines and appliances used in the Tanning Trade, which are not shown in this catalogue.

Hemlock and Chrome Leather Tanners, Fur Dressers and Sheep Skin Tanners will please look over this catalogue carefully, for we show some special made machines adapted for their work only.

We are ready to furnish full particulars and prices on anything wanted in the tannery line, whether shown in this catalogue or not.

LEACH HOUSES AND EQUIPMENTS

We make it a specialty of designing and equipping Leach Houses, and can pride ourselves with showing up the best equipped plants throughout this country. We are in a position to give the best of advise concerning the Leaching System. We will design and build your Leach House of either wood, brick or concrete, put up the Leaches and Pumps, Elevators and Conveying Machinery. Correspondence solicited.

CHAS. H. STRUHLING CO., MILWAUKEE, WIS.

STRUHLING'S SPLITTING HORSES.



Splitting horses are built of 2 pieces 3x6 cypress lumber, 12 feet long, leaving an opening between the two pieces running through the entire length. The inner sides of these pieces are lined with brass to avoid cutting the wood.

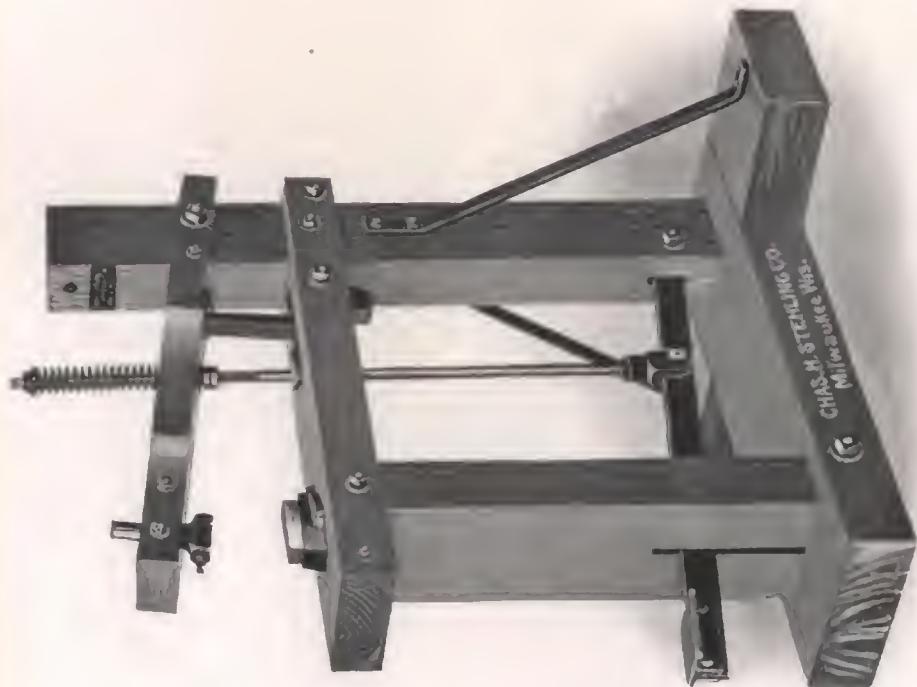
**STEHLING'S FOOT POWER HIDE AND
LEATHER STAMPING MACHINE.**

This machine plainly stamps lot or pack numbers on hide or skins in the hair, or on finished stock. The figures have serrated edges which are plainly visible at any time.

Size of Figures, $\frac{1}{2}$ inch.

Floor space required, 30x36 inches.

Weight of machine, 165 lbs.



CHAS. H. STEHLING CO., MILWAUKEE, WIS.

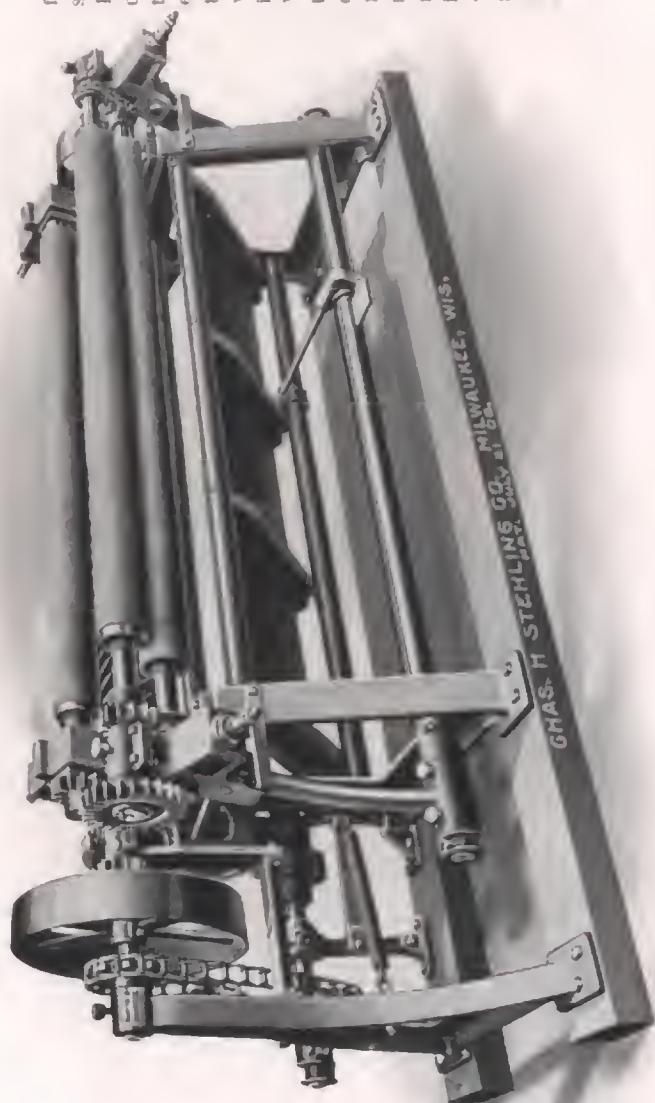
FLESHING AND WORKING BEAMS.



We make our Beams of either Cypress or White Pine Strips, all bolted together. Our standard size is six feet long, but we can build these in any length.

CHAS. H. STEHLING CO., MILWAUKEE, WIS.

THE STEHLING'S FLESHING AND UNHAIRING MACHINE.

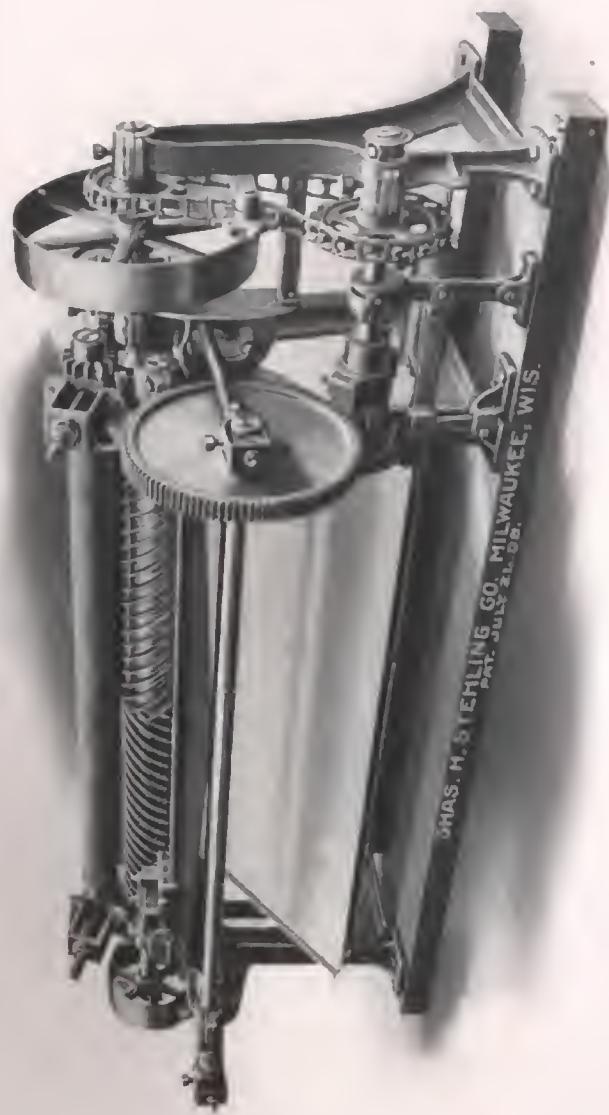


This machine can be used for unhauling and fleshing skins, light and heavy sides. It has less parts than any other fleshing machine and therefore requires less power. For the convenience of the operator we have provided an opening of 12 inches between feed rolls. When feed rolls are open the machine requires a space of 4 ft. 10 in. in width by 10 ft. 9 in. in length. A countershaft is furnished with machine having tight and loose pulleys, size 20 in. dia. x 7 in. face. Speed of countershaft 350 Rev., horse power required 10. Shipping weight 4000 lbs.

Front View.

CHAS. H. STEHLING CO., MILWAUKEE, WIS.

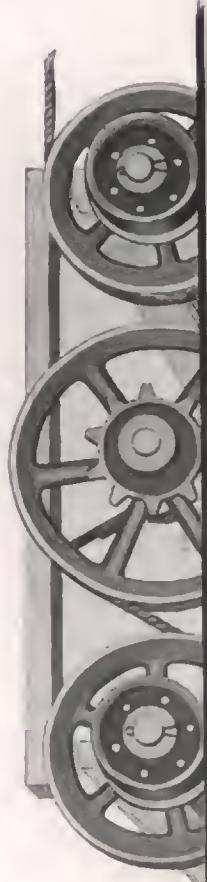
THE STEHLING FLESHING, UNHAIRING AND WORKING-OUT MACHINE.



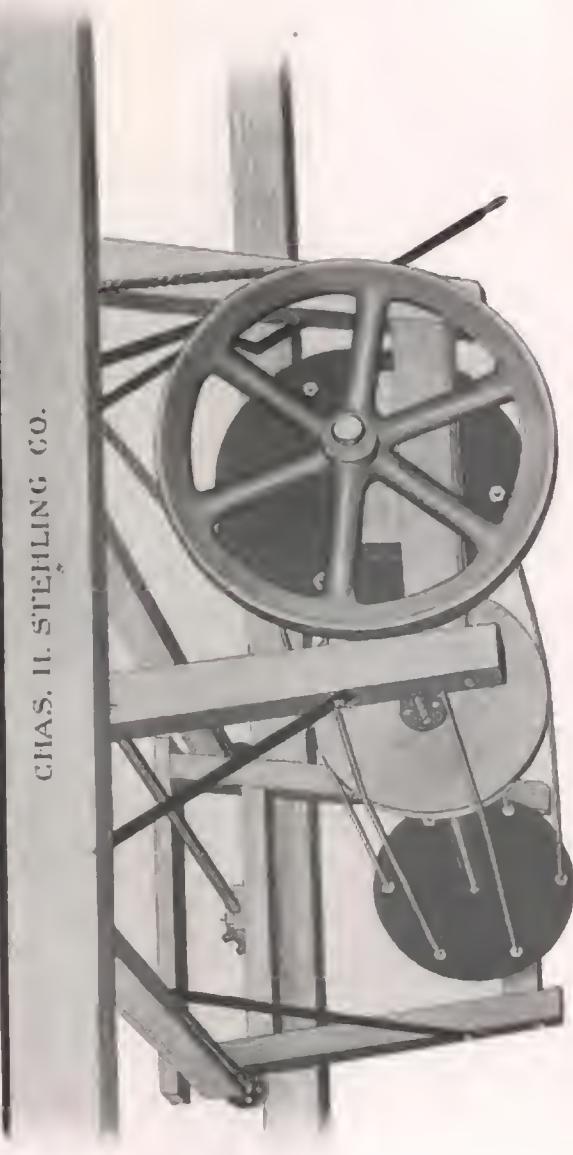
Rear View of Machine.

THE JOURNAL OF CLIMATE

SENSITIVE PATENT ELEVATED LAME REEL.



CHAS. H. STERLING, CO.



As the handling of slides and skins out of the lime is a serious matter with the tanners, we have been improving our reels from time to time and now we claim to have a perfect reel for the handling of hides, slides or skins. The reel is arranged to travel either forward or back by power, and can be stopped at any point. It is reversible in every way. We advise elevating the reel six feet above the floor level, in order to pass below same without interfering.

CHAS. H. STREILING CO., MILWAUKEE, WIS.

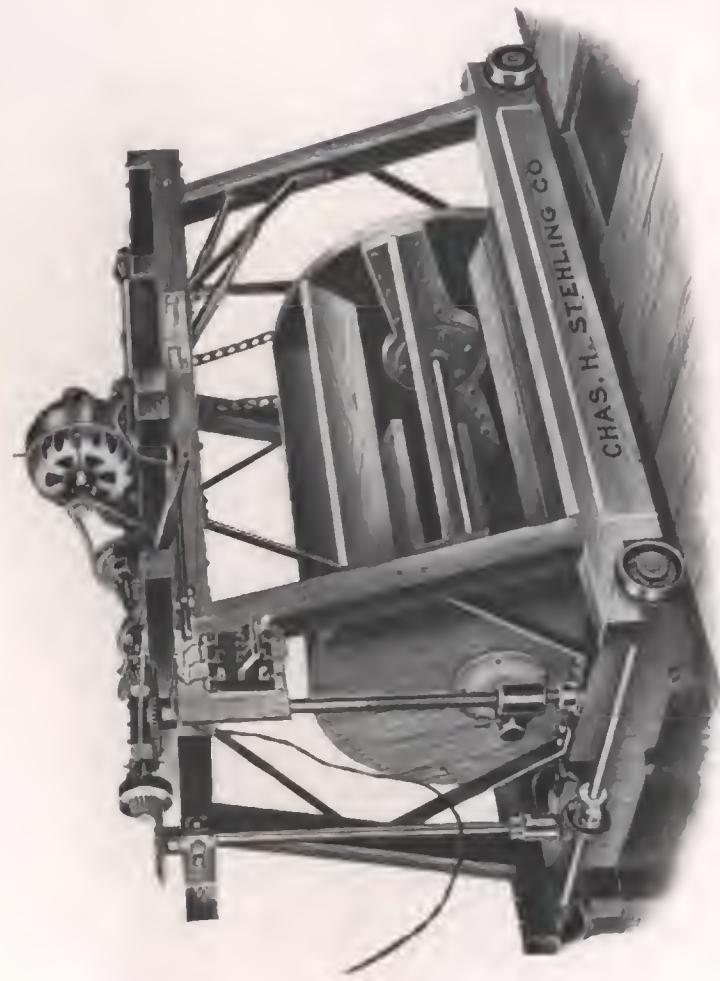
STREILING'S MOTOR DRIVEN REEL.



The reel is driven by a motor and travels on an iron track fastened to the top of vats. It is a very desirable machine in the beam house, for the handling of hides from one lime vat to another. The reel is arranged to travel either forward or back by power. A two horse motor will handle a reel over four vats.

To prevent the hides from being caught between the braces, we cover the same completely with sheet iron. The gear end is also closed entirely with a sheet iron guard.

STEHLING'S PATENT PORTABLE PADDLE WHEEL.



This illustration shows our Portable Paddle Wheel, which is now taking the place of the stationary paddle wheel.

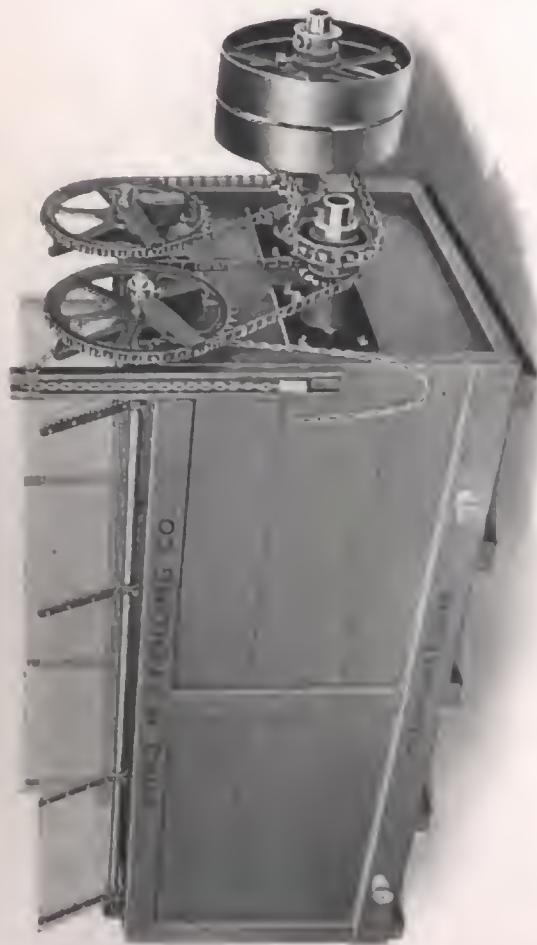
It is being installed in many tanneries for the purpose of washing sides and skins in the soaking vats, for liming, also bathing, pickling and tanning.

The Paddle Wheel is arranged to run in either direction, can be lowered or raised from the vat, as well as transferring it in either direction by power. A 4 horse power motor will operate same.

Weight approximately 4,800 lbs.

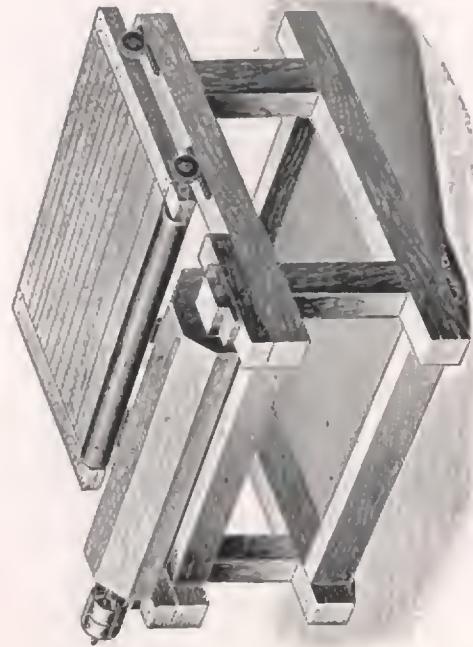
CHAS. H. STEUING CO., MILWAUKEE, WIS.

STEUING'S DOLIBLE HAIR WASHING MACHINE.



This machine will wash the hair in considerable less time, with about the same amount of water that's required on our single hair washing machine. The hair are placed in the first machine which dips it to the second one, and from the second to a drain box or basket. The clean water enters the second box overflows to the first, and out over-flow to sewer. The machine takes a floor space of 4 ft. wide by 9 ft. 10 in. long. The pulleys are 20 in. dia. x $4\frac{1}{2}$ in face. Speed 80 Rev. Weight 1,400 pounds.

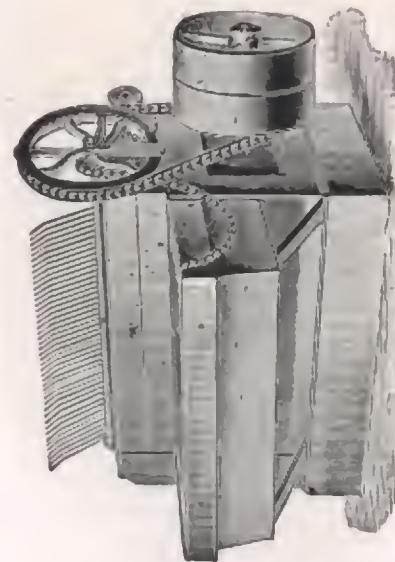
WASHING MACHINES.



WOOL SKIN WASHER.

This style of Washer is considered to be a small and cheap machine, but will wash easily about 350 Wool Skins a day. The machine is built very strong and does not get out of order by hard working.

Special wool washers built to order.



SINGLE HAIR WASHING MACHINE.

With Drain Box Attached.

This machine will wash about 18 bushels of hair per hour at an average speed of 80 Rev. per minute. It takes a floor space of 2 ft. 6 in. wide and 8 ft. long. Pulleys 18 in. dia. x 4 in. face. Weight 600 lbs.



WASH DRUMS.

We build these drums in all sizes, of white pine, cypress, or red wood lumber. For the cross pieces we use 3 inch thick white oak.

Our standard sizes are 8 ft. outside diameter by 5 ft. 4 in. wide.

We advise to drive all beam house drums by means of pinions and segments bolted to the wheel as shown in cut. We can also furnish a chain drive if desired.

Weight as shown about 3500 lbs.

Speed of Drum 17 Rev.

Size of Pulleys 28x7 in.

WASHING DRUMS.

This illustration shows two washing drums 8 ft. diameter by 6 ft. wide, equipped with a segment drive.

The motor drives the countershaft with a noiseless chain, and to this countershaft a pinion is attached driving the wash drum. Each drum has a separate drive.





HALF ROUND VAT With PADDLE WHEEL

Half Round Vat with Paddle Wheel, built from either 2 inch or 3 inch lumber. The paddle wheel is driven by a friction clutch direct from the line shaft and can be set in motion at any time. It is used for soaking, liming, pickling or tanning.

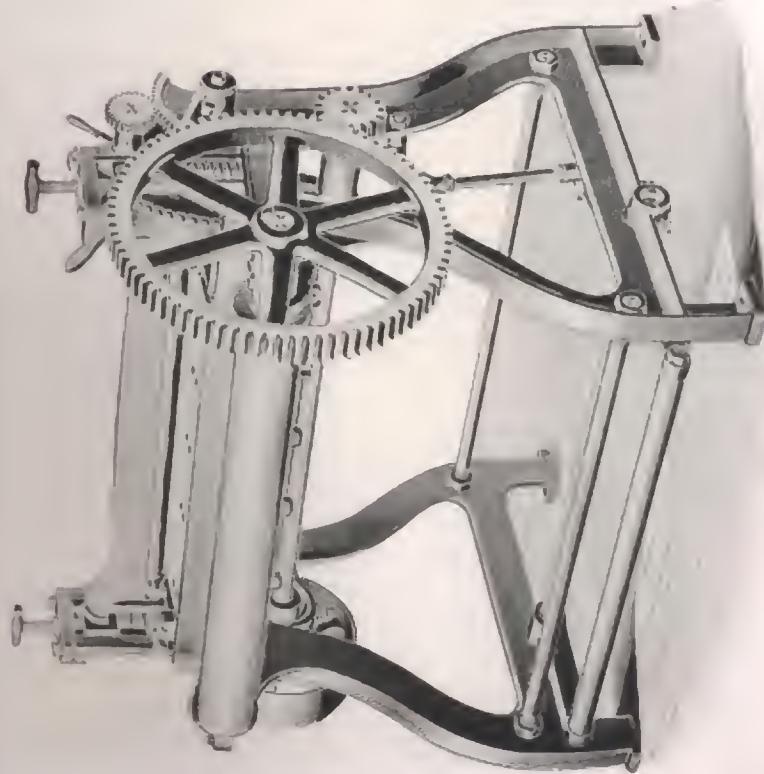
Speed of paddle 16 Rev.

PICKLING PADDLES.

Half Round Vats with Paddle Wheels set in one line, showing the motor driving the line shaft with a noiseless chain. Each paddle can be run separately by means of friction clutches placed on line shaft.

This is a smooth running and modern drive.





NECK SPLITTER.

This illustration shows a Neck Splitter used on skins and sides for splitting thick necks and heads.

Floor space required 3 ft. x 5 ft.

Speed 140 Revolutions.

Size of Pulley 18x4½ in.

Weight, 950 lbs.



ROUND TANKS.

We build all sizes Tanks, of any desired material either White Pine, Cypress, California Redwood or Washington Cedar, with either flat or round iron hoops and draw lugs, and guarantee all our work to be perfectly tight.

TANNERY LEACHES.

are a specialty of ours, and we can give the best references. A large stock of well seasoned Tank Lumber always carried in stock.

CHAS. H. STEELEING CO., MILWAUKEE, WIS.

OVAL TANKS.



We build Oval Tanks for Dipping Leather, using nothing but the highest grade Tank Lumber in their manufacture.

They are perfectly water tight, which enables Tanners to place them on any floor in the tannery.

We manufacture any kind of Tanks desired on short notice.

CHAS. H. STEUING CO., MILWAUKEE, WIS.

ROUND WATER TANKS.

CHAS. H. STEUING CO.
MILWAUKEE.



MIXING DEVICE.

We build a mixing device for stirring chrome liquors or any kind of liquor that requires agitating. For chrome and tan liquors we furnish it entirely of wood, driven by bevel gears, with tight and loose pulleys.

We build Beam House and Water Storage Tanks in any desired size, either in Cypress or White Pine Lumber.

Shipped put-up or knock-down to any part of the United States or Canada.

ACID TOWER AND WAGON TANKS.

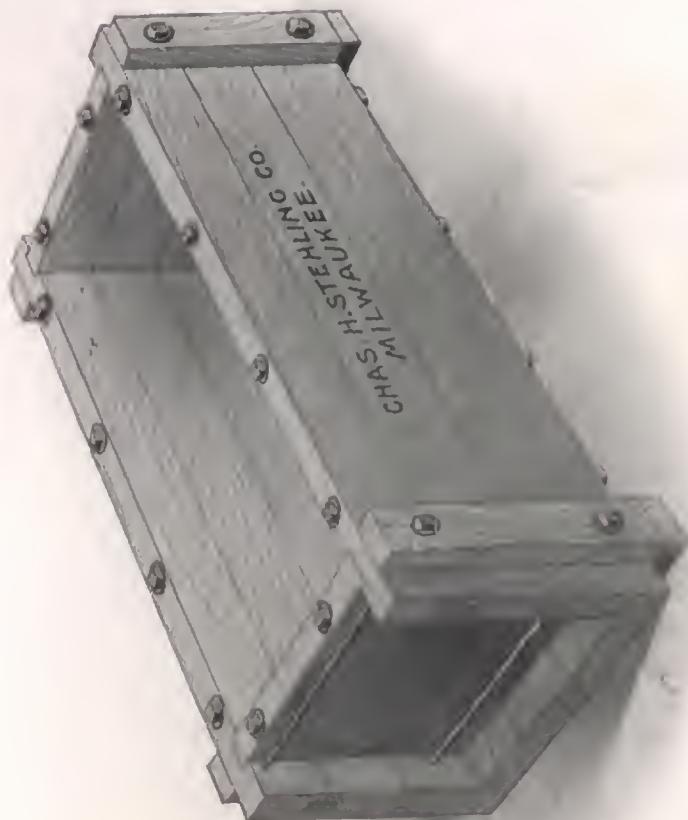


This style of Tank is adapted for Acid Towers. We built these up to 48 feet high of any desired diameter. They are also used for Sprinkler Wagon Tanks and for Flat Car Tanks in transporting Tan Acid or any liquid which should not come in contact with iron.

RECTANGULAR TANKS.

We build this style of Tanks in any desired size of either White Pine or Cypress Wood.

They can be used for all Tannery purposes and in many places are used for TANNING VATS.



TANNING PADDLES.

This illustration shows a group of tanning paddles as arranged in a modern tannery. The line shafting is driven by a motor to which friction clutches are attached for driving each paddle separately.



TANNING DRUM.

We build all tanning drums of clear cypress lumber, and use different styles for driving, either segments bolted on the outside, ring sprockets bolted on the head, chain segments bolted on the outside of drum, or internal gears bolted on the head of drum.

Our standard sizes are 8 ft. outside diameter by 5 ft. 4 in. wide, but we can build any size desired, furnishing either brass or wood doors.

Weight as shown about 4000 lbs.

Speed of drum 17 to 18 Rev.

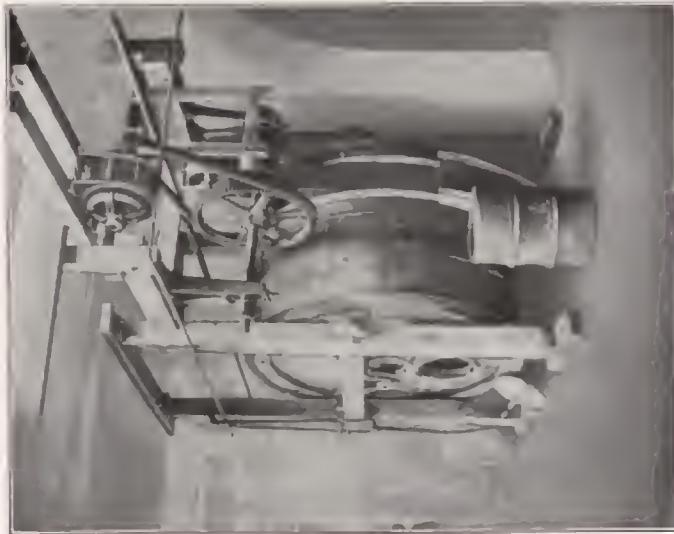
Size of Pulleys 28x7 in.



COLORING DRUM.

This illustration shows a coloring drum 8 ft. diameter by 5 ft. 4 in. wide, equipped with a 20 in. diameter round brass door.

The motor drives the line shaft, using a noiseless chain belt. On this line shaft we have the idler driving the drum with an 8 inch double leather belt. It is a noiseless drive throughout.



CHAS. H. STEHLING CO., MILWAUKEE, WIS.

THE KOENITZER TANNING DEVICE.

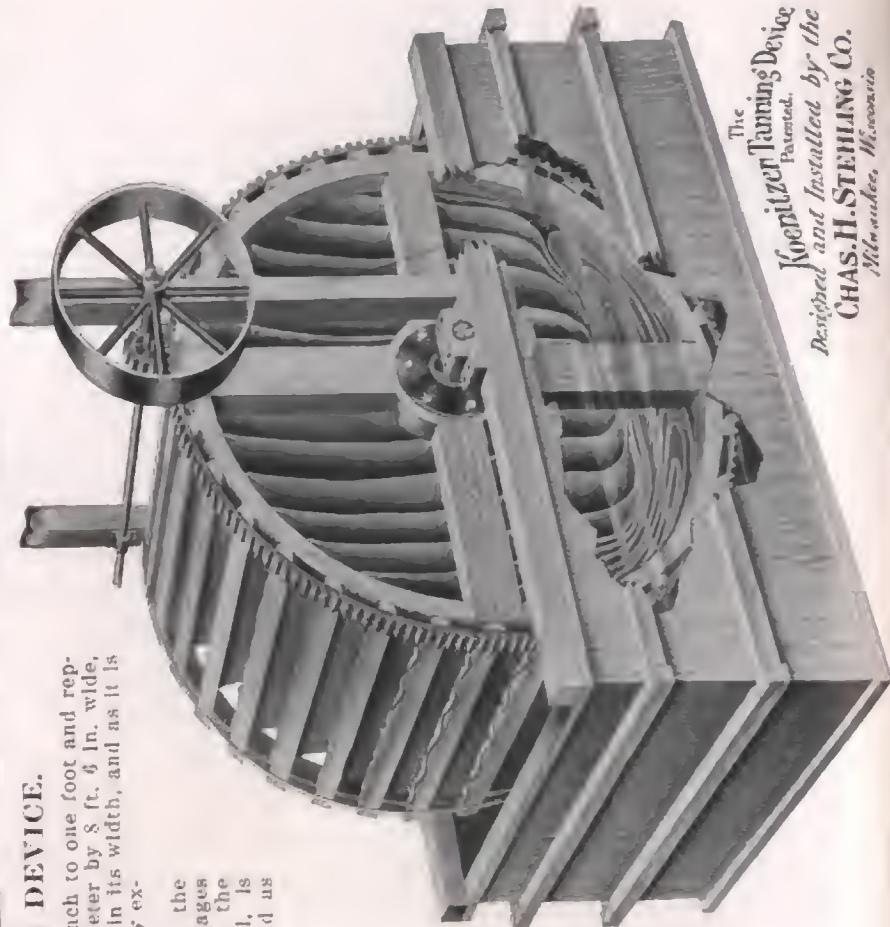
The picture shown is made to a scale of $\frac{1}{2}$ inch to one foot and represents a Tanning Wheel in size 11 ft. 6 in. diameter by 8 ft. 6 in. wide, large enough to take one whole hide or two sides in its width, and as it is shown in operation should not require much of any explanation to any practical tanner.

The system of tanning and how to operate the wheel for either bark chrome or combination tannage has been worked out by a practical tanner, and the design and advice how to construct the wheel, is given by practical and experienced mechanics, and us several wheels are now in successful operation, tanners feeling interested to save on their investment, labor, time, and to make a better filled and stronger leather need not to fear having to go through any experimental affairs.

The style of this wheel does away with the heating of the stock, heating of the liquors, pounding and flattening of the tanks, and the steady movement, and taking up of the whole hide or side, and steady intake of fresh and strong liquors, with the regulated outflow of used liquors, the tender and weaker parts of the hides have the proper chance to absorb the strength necessary to fill and strengthen up its pores.

This model shown will not only answer for the tanning of the hides, but is at present being tested on soaking and liming the hides and skins, and indications are pointing towards a great success for good work and fast time.

Mr. Robert Koenitzer, a practical tanner and inventor of the device, and the Chas. H. Stehling Co., practical tannery men from Milwaukee, Wis., are at the present time introducing the system to the



The
Koenitzer Tanning Device
Patented.
Designed and Installed by the
CHAS. H. STEHLING CO.
Milwaukee, Wisconsin.



STUFFING DRUM.

Our stuffing drums are built from clear cypress or red wood lumber in the best workmanlike manner, either with or without the hot air system for heating same, and a special thermometer to show the temperature of the drum.

We have different styles of doors, but we recommend the round iron style which we guarantee to be absolutely grease tight.

This illustration shows the drum driven with an idler directly from the line shaft. No cutting of floor required by using this drive.

Standard size drum 8 ft. diameter by 5 ft. 4 in. wide.

Weight as shown about 2800 lbs.

Speed of drum 18 Rev.

Size of Pulley 14x8 in.

CHAS. H. STEHLING CO., MILWAUKEE, WIS.

STEHLING'S LEACHING SYSTEM.

We make a Specialty of designing and equipping Leach Houses, and can pride ourselves with showing up the best equipped plants throughout this Country.

We are able and ready to give the best of advise concerning the Leaching System.

We will design and build your Leach House of either Wood, Brick, or let us have our way, we will build it of Concrete, doing away with all repairs forever.

We will furnish and put up your Leaches, False Bottoms, Coils, Pumps, Heaters, Coolers, Brass Pipes, all necessary shafting and machinery for Elevating and Conveying the Dry and Wet Tan to any desired place.

Owing to the great difficulties under which the Leached Bark is cast out of the Leaches, it has been our aim for some time past, to find some means and ways to do away with the old system, in fact, to save all hand labor.

With this point in view, we have invented the Leach Casting Machines, which we are willing to install into any leach house adapted to receive same at our expense on trial, and will remove same again if the machine does not do the work which we claim for it.

We can equip your leaches with the air pumping system, being thoroughly acquainted with the method of pumping liquor.

We kindly ask the Tanners interested, to look over the following illustration, and, if, in their opinion our Device is worth their consideration, to write us for further information.

Your Correspondence upon this subject is solicited by

CHAS. H. STEHLING COMPANY,

Milwaukee, Wis., U. S. A.

LEACH CASTING MACHINE.

The object of the Leach Casting Machine is to facilitate the removal of spent Tan Bark from the Leaches in a hot condition, thereby saving the expense for labor in lifting and the saving of fuel and steam.

This Machine is the only one meeting the requirements of the tanners, and giving them the desired satisfaction, being built on strictly scientific principles, and of the most durable material, and installed in the best and strongest possible style and manner.

The Machine will cast leaches up to 20 feet in diameter and to any height, being built simply strong and durable to stand the required strain with a large factor of safety, thereby the expense for repairs being only for the ordinary wear of the machinery.

One Machine will operate any amount

of leaches, as the same is set on trucks and

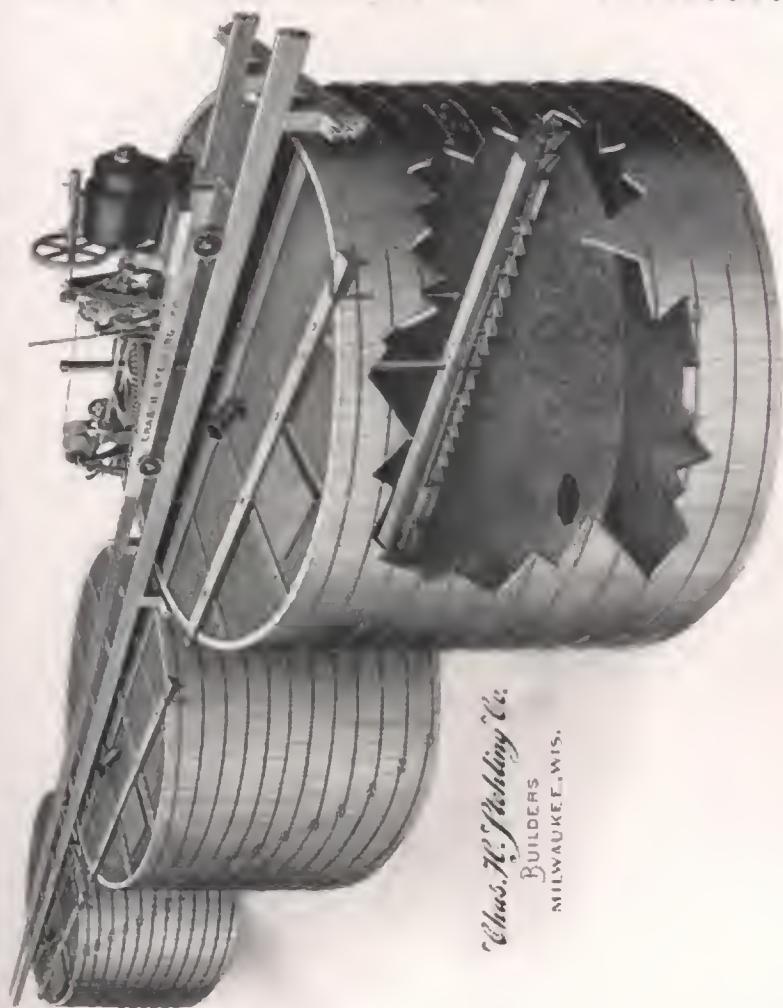
can be transferred from one leach to an-

other.

ADVANTAGES AND SAVINGS.

PILING THE LEACH.

This machine distributes the bark as it is being ground and carried into the leach, thereby mixing the fine and coarse ground bark evenly throughout the leach, causing no reliance for tanners to form a certain channel through any coarse bark on the outer edges, and as we advise a tight heel on the Leach, we do away with the dust, saving the same in the leach, and keeping clean your Machinery and Leach House.

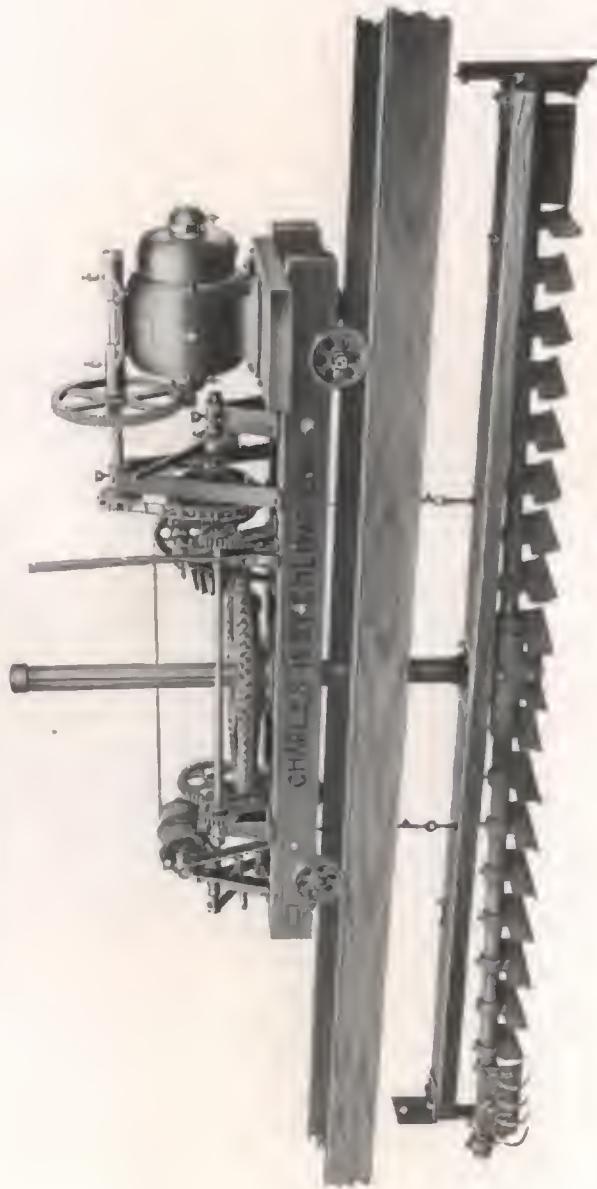


Chas. H. Neklind Co.

BUILDERS
MILWAUKEE, WIS.

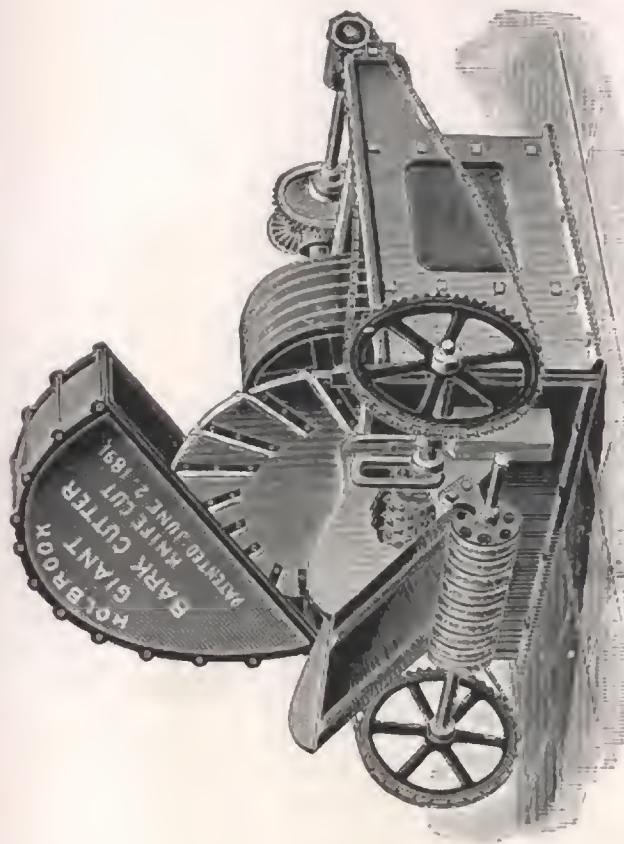
C. H. STEINING CO., MILWAUKEE, WIS.

STEINING'S LEACH CASTING MACHINE.



This machine remains on top of leaches at all times, only the arms and guide entering the leach while in operation. It can be driven by a motor as shown, or by a chain belt from a line shaft, and will cast leaches 20 feet in diameter.

In writing for prices, give the inside diameter and inside depth of leaches, number of same, if in one or more lines, and if to be driven by motor, what current?

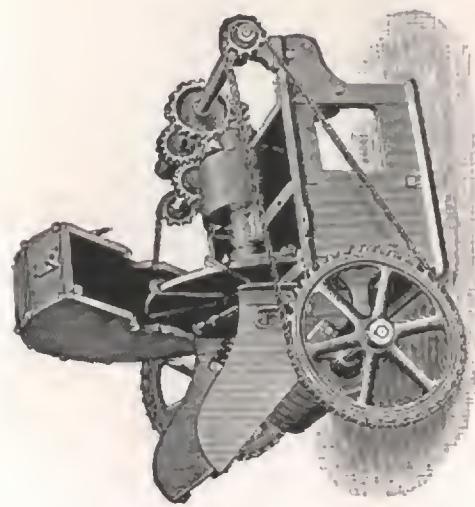


GIANT BARK CUTTER.

This illustration shows the Bark Cutters which we build and are used on hemlock and oak bark. The Giant mill is generally used and carried in stock as well as all duplicate parts for repairs.

To obtain good results and for saving power our advice is, use only the best and sharp knives.

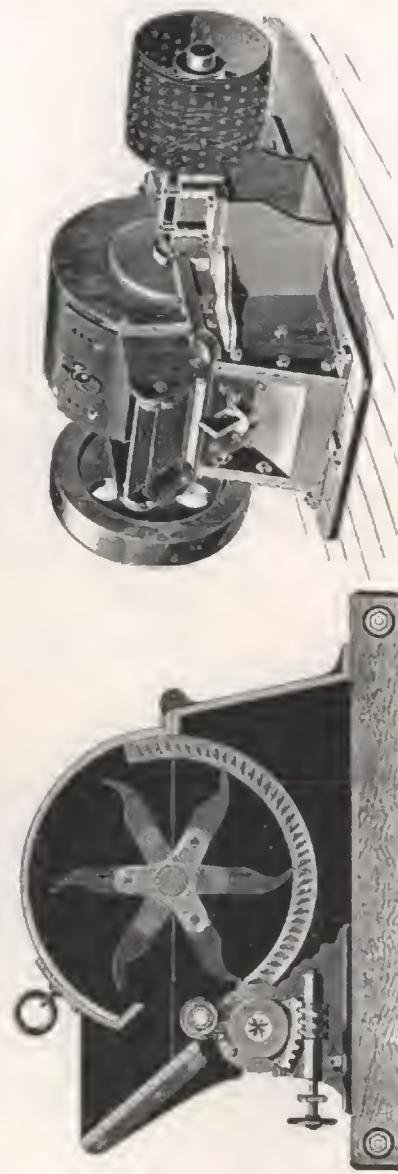
Floor space of Giant Mill 5 ft. x 6 ft. 9 in. Cap 25 to 30 cords in 10 hours. Size of Pulleys 22x12. Speed 525 to 550 Rev. Weight, 4800 lbs. H. P. required, 30 to 35.



PEERLESS BARK CUTTER.

CHAS. H. STEHLING CO., MILWAUKEE, WIS.

WILLIAMS BARK SHREDDER.



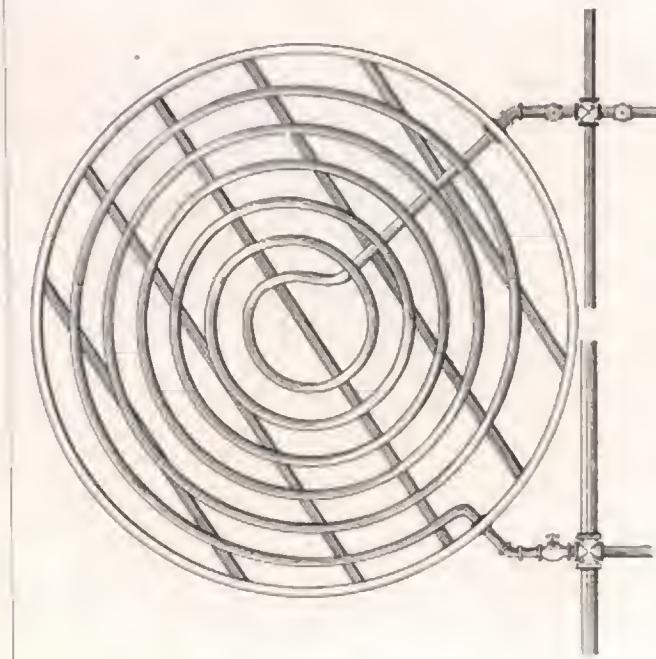
CLOSED VIEW.
SECTIONAL VIEW.

We can recommend this Shredder for use on Oak and Chestnut Bark. It is built in sizes to grind from one to five cords per hour, and takes from 30 to 40 horse power.

FALSE LEACH BOTTOMS.



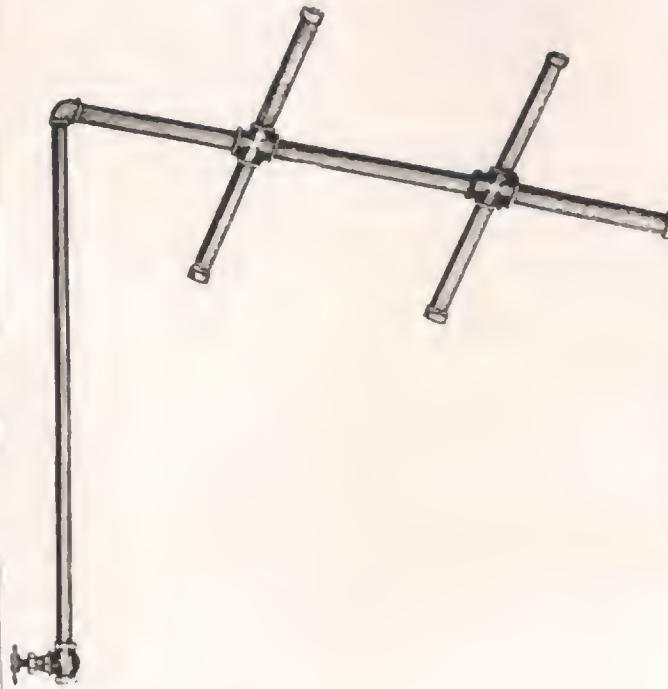
We build our False Leach Bottoms of Louisiana Cypress Lumber, either round or square, making all strips on a taper, so that the bottom side has a wide opening. Our False Bottoms are made of narrow sections so that they can be handled easy, and each section is pinned together with hard wood dowels.



COPPER LEACH COIL.

These Coils are made of seamless Copper Tubing. They are placed below the False Bottom.

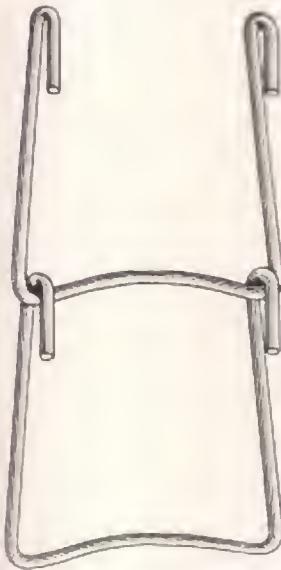
We prefer Coils in Leaches, for the reason that they are not destructive to the life of the Leach, and advise the Coils from 1 to $1\frac{1}{2}$ inches diameter and from 100 to 125 lineal feet to the Leach.



PERFORATED BRASS PIPES.

We make these Brass Perforated Pipes from 1 to $1\frac{1}{8}$ inches diameter, with four or six branches.

The Pipes are perforated on the sides with the ends capped. We make them in any size desired on short notice.



CONVEYOR CHAINS.

This style of chain is generally used for conveying either dry or wet bark, made in 3 sizes, 9-16 inch round, 5-8 inch round and 3-4 inch round iron.



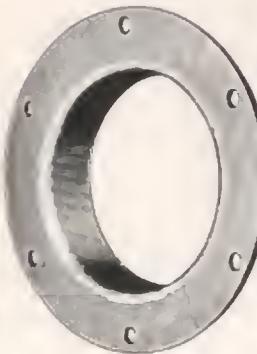
BRASS LEACH'N PUMPS.

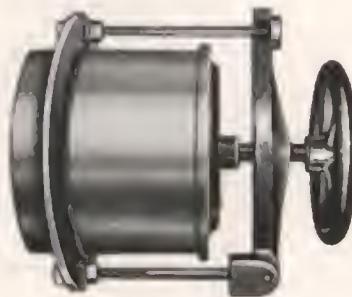
We can furnish 5 inch and 6 inch dia. leach pumps having 2½ and 3 inch suction pipes respectively, having rubber balls for plunger and suction valves. We drive the pumps with 14 inch throw eccentrics equipped with a jaw clutch and lever.

We also install the air system completely fitted up.

BRASS PIT'N HOLE.

This illustration shows the wood plug style made in sizes of 8 inch, 9 inch and 10 inch dia.





HINGED CAP PITCH HOLE.

Above illustration shows our hinged cap pitch hole being closed. The opening and closing is accomplished by turning the hand wheel. The 10 inch Dia. Brass Pitch Holes are generally used, but can make any size to order.



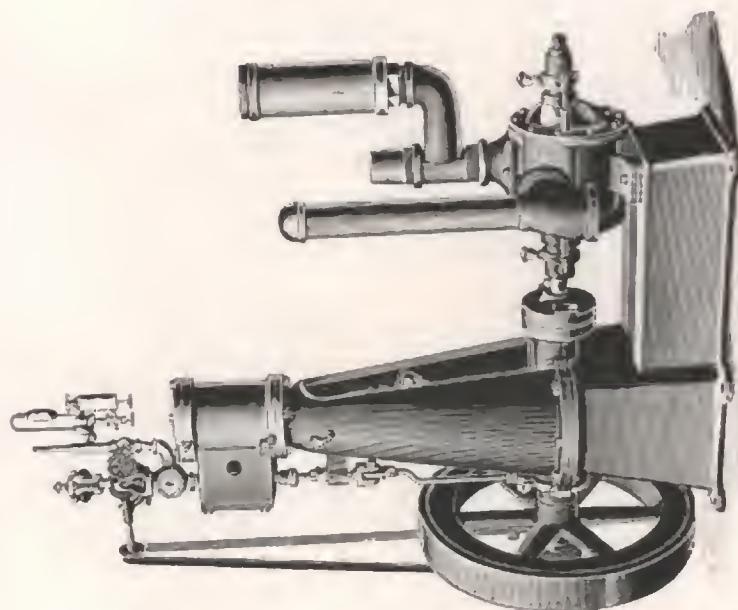
BRASS SCREW CAP PITCH HOLES.

The above illustration shows our screw cap pitch hole, made in sizes of 8 inch, 9 inch and 10 inch Dia. Pitch holes to fit inside of leach are made 15 inches diameter.

ROTARY STREAM PUMPS

We build this pump in brass for tan liquors, having a 4-inch suction and 3-inch discharge giving a capacity of 50 to 100 gallons per minute at a speed of 75 to 130 revolutions. The above described pumps are the standard sizes used by tanners.

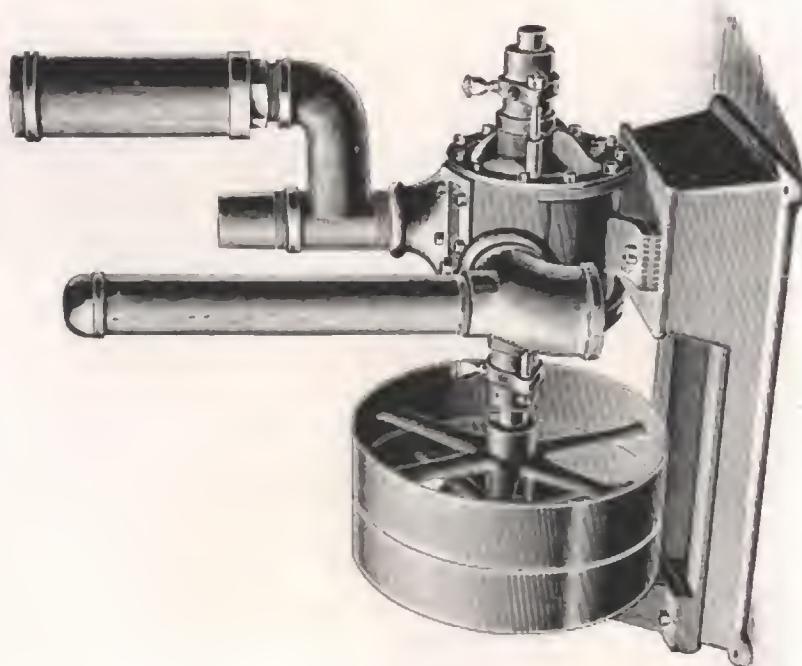
We also furnish this pump in iron for ordinary purposes.



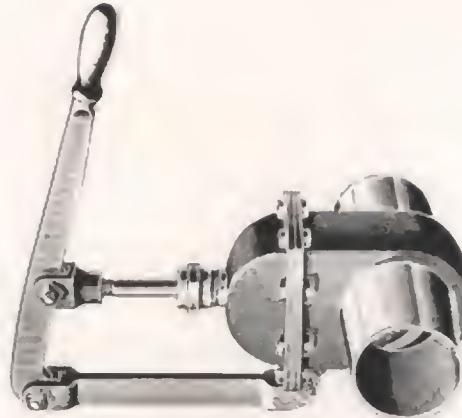
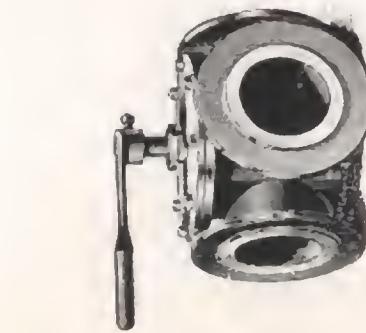
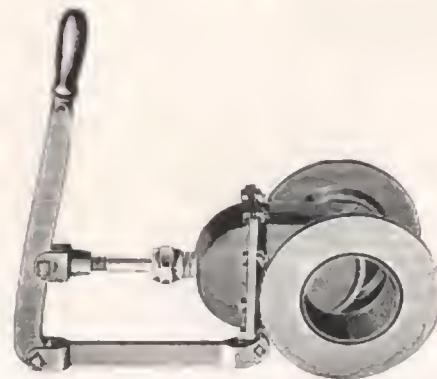
ROTARY BELT PUMP.

We build this pump in brass for tan liquors, having a 4-inch suction and 3-inch discharge, giving a capacity of 50 to 100 gallons per minute at a speed of 75 to 130 revolutions. The above described pumps are the standard sizes used by tanners.

We also furnish this pump in iron for ordinary purposes.



TANNERS BRASS GATE VALVES



THESE VALVES ARE DESIGNED ESPECIALLY FOR TANNERS.

Our Gate Valves are made in sizes from $2\frac{1}{2}$ inches up to 6 inches and our Three-Way Valves from 3 inches to 8 ins.

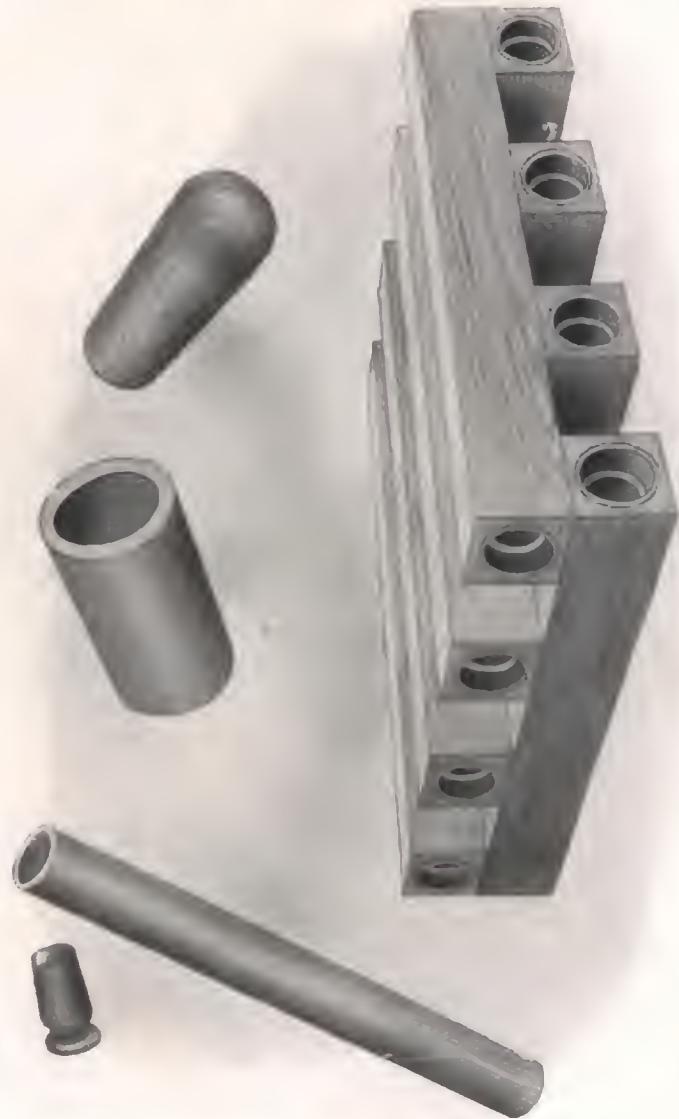
Special Brass Valves made up on Short Notice.

In ordering always state whether screwed or tapered ends are wanted.

LIQUOR, WATER
AND
PUMP LOGS.

We are equipped to bore Liquor, Water and Pump Logs from 1 to 5 inches diameter holes.

We make it a specialty to furnish Tanners with bored Logs, Couplings and Tubing in any desired wood and furnish Plugs of any diameter and lengths. We have the latest style machinery for Boring Logs and Tubing.

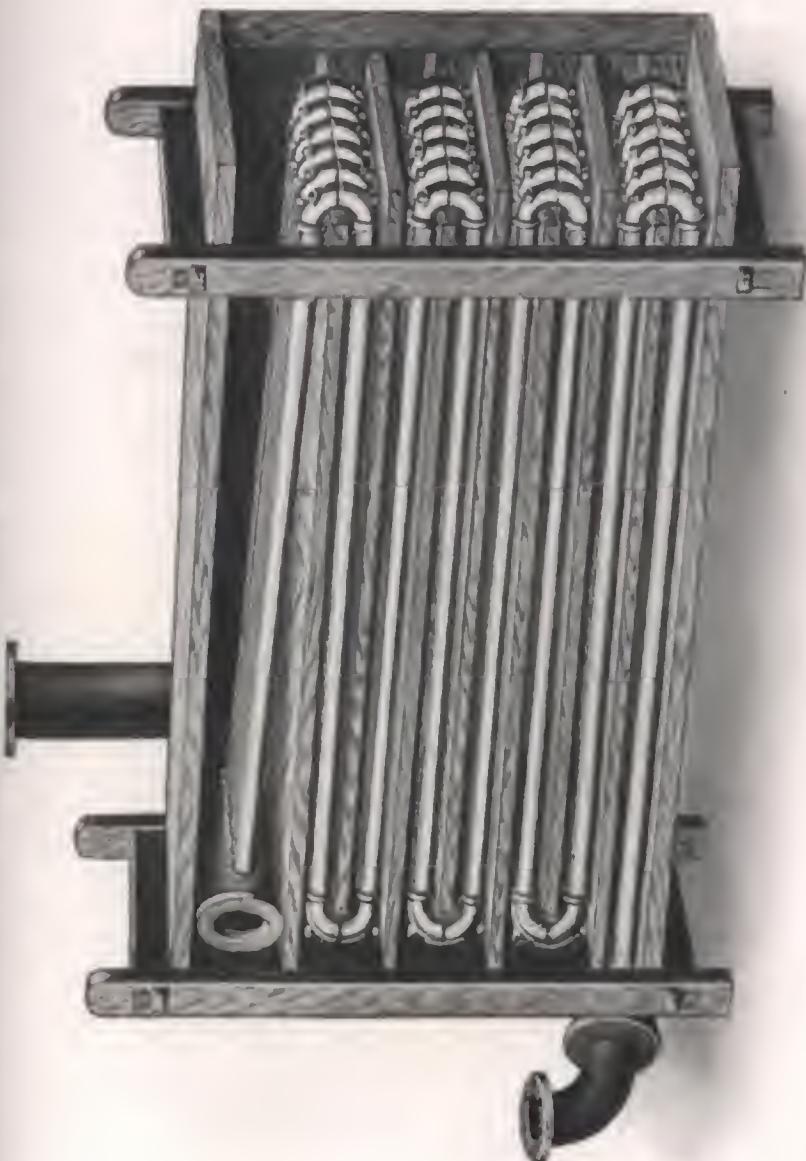


TAN LIQUOR HEATER AND COOLER.

This style of a Heater and Cooler is especially built for Tanners, and is undoubtedly the best in the market.

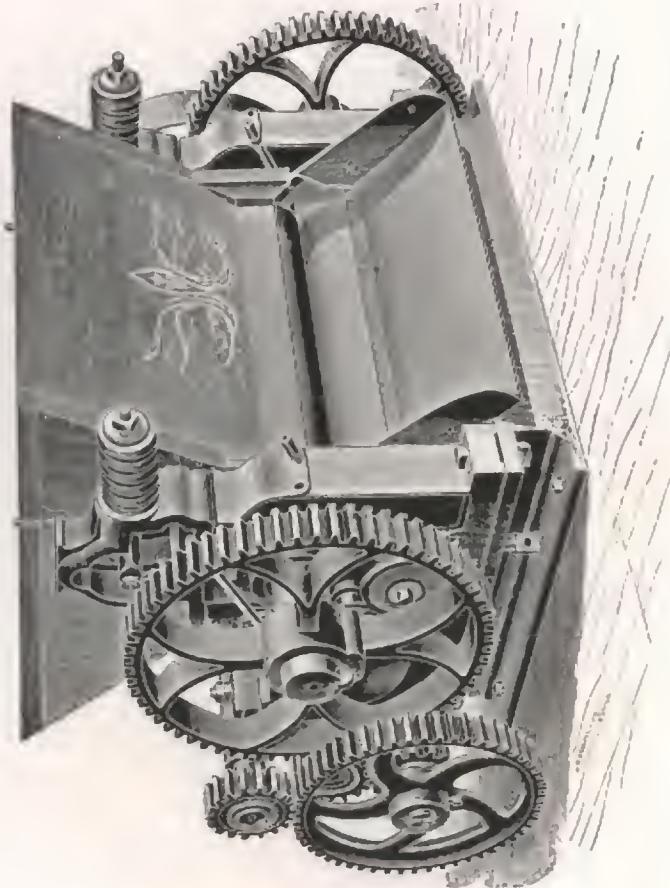
The sales of this style being larger than all others combined. The large steam manifold is made of brass and is placed inside of the Heater Tank to utilize all of the steam at the upper end where the liquor runs out. The Tank is made of Cypress lumber, and both ends can be opened to clean the tank and pipes.

We build these in sizes from 25 pipes up to 130 pipes, containing from 300 feet to 1,500 feet of brass pipe respectively.



TAN PRESS.

This Press is made for the purpose of pressing the leached Tan almost dry, before using it for fuel, thereby saving the expense of buying other fuel to first dry the remaining liquor out of the Tan. Tanners using bark can not afford to be without this Press. The Press is driven with a 4-inch belt and requires but little power.



**STANDARD SINGLE AND DOUBLE BOLT LUGS.
FOR FLAT BANDS, USED FOR TANKS AND KILNS.**



Double Bolt Lug.

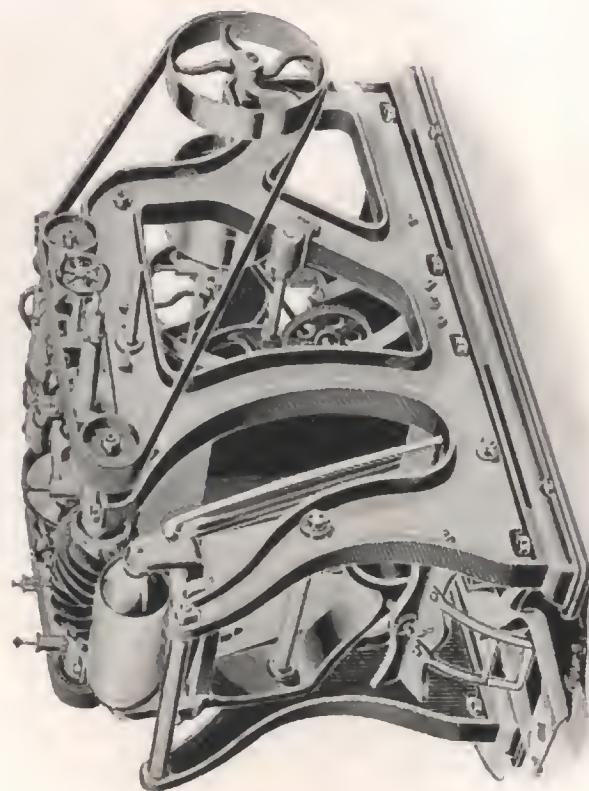
ALL MADE OF BEST QUALITY MALLEABLE IRON.

Standard List Prices.

Size of Lug.	Size of Bolt.	Price.	Size of Rod	Pieces to the Bbl.	List Price to the Bbl. F.O.B. Milw.
1½ in. with single bolt.....	½ in. x 13 in.	\$0.40	⅜ inch	700	07c
1¼ in. with single bolt.....	½ in. x 13 in.	.50	½ inch	460	08c
2 in. with single bolt.....	¾ in. x 14 in.	.60	⅔ inch	385	09c
2½ in. with single bolt.....	¾ in. x 16 in.	.80	⅝ inch	360	10c
3 in. with single bolt.....	¾ in. x 18 in.	1.00	¾ inch	250	14c
3½ in. with single bolt.....	¾ in. x 18 in.	1.50	⅝ inch	130	20c
4 in. with double bolts.....	¾ in. x 18 in.	2.00	1 inch	115	24c
4½ in. with double bolts.....	¾ in. x 18 in.	2.50	1⅛ inch	80	36c
5 in. with double bolts.....	¾ in. x 18 in.	3.00	1⅓ inch	65	48c
5½ in. with double bolts.....	¾ in. x 20 in.	3.25	1⅔ inch	60	72c
6 in. with double bolts.....	¾ in. x 20 in.	3.50	1⅔ inch	60	72c

We can furnish safety lugs on drums to fit $\frac{3}{4}$ in. round iron hoops.
When ordering give WIDTH and THICKNESS of Band.

THE LATEST IMPROVED SHAVING MACHINE.



This Machine is the best in the market for
Shaving Goat, Sheep and Calf Skins. Harness,
Belting, Upper and Side Leather, and will do
the work far better than by hand.

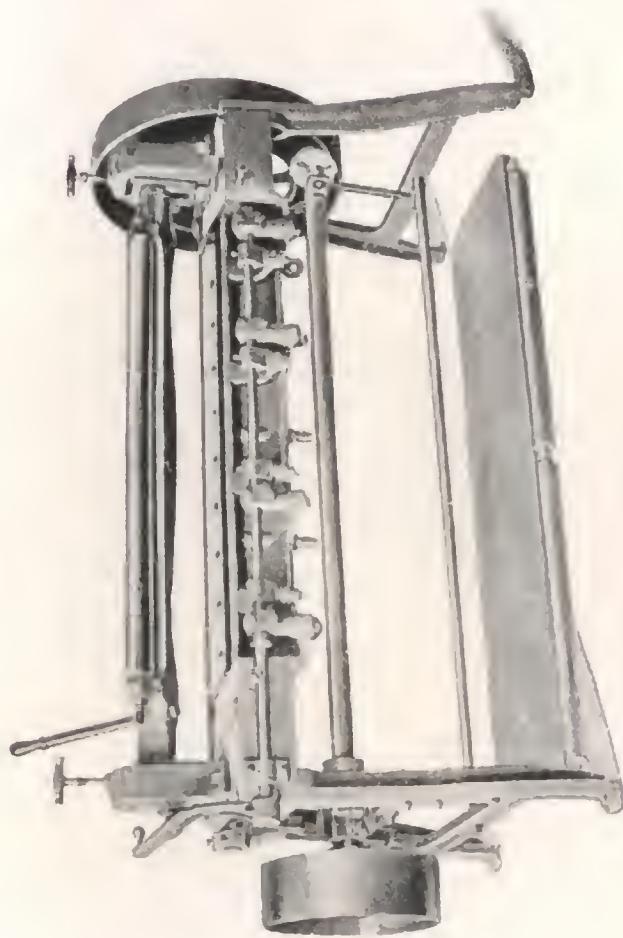
Floor space, 3 ft. 9 in. x 6 ft. 4 in.

Pulleys, 12 in. x 4 in.

Speed, 480 Rev.

Weight, 1900 lbs.

UNION SPLITTING MACHINE.



Standard type of 45 in. Union Splitting Machine, with the improved friction drive attachment.

Weight: 1700 pounds.

Floor space: 7 feet by 3 feet.

Driving pulley: 16 in. by 6 in.

Speed of driving pulley: 275 Revolutions.

Speed of roll when pulling: 45 Revolutions.

Speed of roll reversing: 65 Revolutions.

CHAS. H. STEHLING CO., MILWAUKEE, WIS.

STEHLING'S IMPROVED GRINDER.



This illustration shows our knife grinding machine which is used for bark cutter knives, grinding and splitting machine knives, paper, planer and shoe cutter knives. Built in two sizes, 52 inch and 106 inch. The 52 inch we always have in stock, and can be furnished with lead or emery wheel.

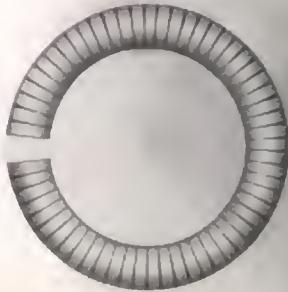
Weight of the 52 inch machine.
1050 pounds.

Pulleys, 8 in. x 3 in.

Speed, 250 Revolutions.

Floor space as shown above, 35 in.
x 72 in.

STEHLING'S FLEXIBLE RING ROLL.



CHAS. H. STEHLING CO.

This illustration shows a flexible ring roll, used on belt knife splitting machines. The roll is driven by a set of gears on one end; on account of its peculiar construction it is impossible for the roll to leave any ring marks. It is especially recommended for use on calf and kip leathers.

We have in stock self-oiling spindles and all repair parts for the American Tool Splitting Machines.

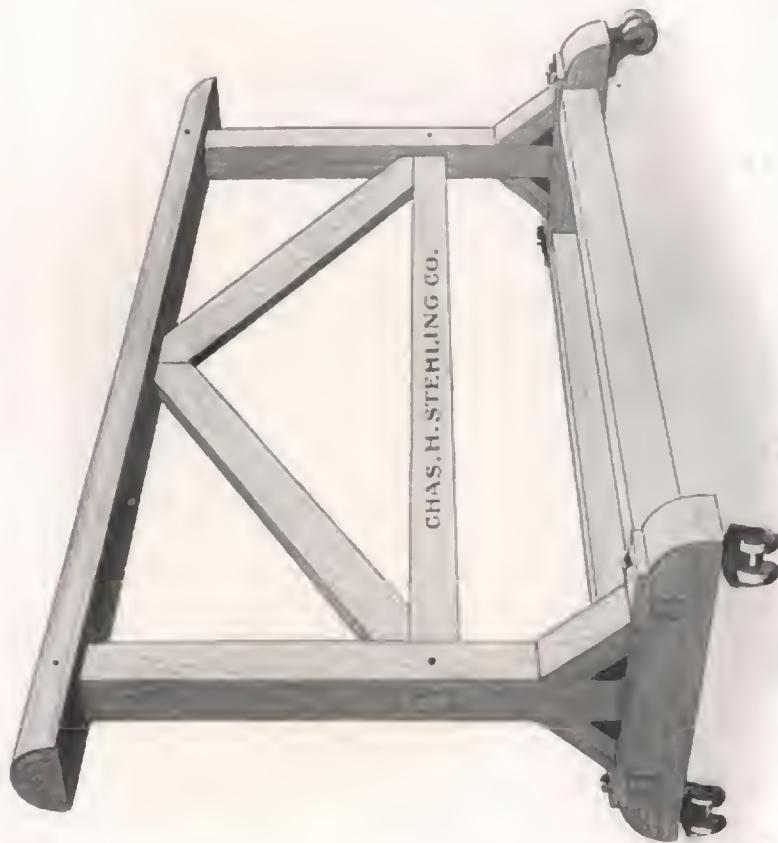
We regrind belt knife jaws, turn up and corrugate gauge rolls.

HIGH HORSE.

This illustration shows the horses generally used for whole hides, set on large casters.

Size 4 ft. 6 in. high by 8 ft. long.

We make different styles and sizes, and can furnish any style desired if informed for what leather they wish to use the same.



SMALL HORSE.

This illustration shows the horses that are used by tanners for horsing up their stock, and transferring same from one department to another. We use 10 inch wheels for the center, and 8 inch on the ends, which makes it easy running.

Size for side leather 3 ft. 2 in.
high by 7 ft. long.

Size for calf leather 3 ft. high
by 4 ft. 8 in. long.



CHAS. H. STEHLING CO., MILWAUKEE, WIS.

STEHLING'S LEATHER HORSES.



This illustration shows a horse used by calf skin tanners in the finishing room. It is equipped with 4 double wheel casters bolted to the bottom pieces.

Size for calf leather 3 ft. high, 4 ft. 8 in. long. We can furnish this style of horse in any size.

STEHLING'S LEATHER TRUCKS.



We can furnish any of the above style trucks on short notice.

The standard sizes are 3 ft. x 5 ft. and 3 ft. x 6 ft. and are made to order only.

If above sizes are not suitable we can furnish any size that may be the most convenient. These trucks can be furnished with side and end boards if desired.

CHAS. H. STEHLING CO., MILWAUKEE, WIS.

STUFFING DOORS.



STUFFING DOOR OPEN.

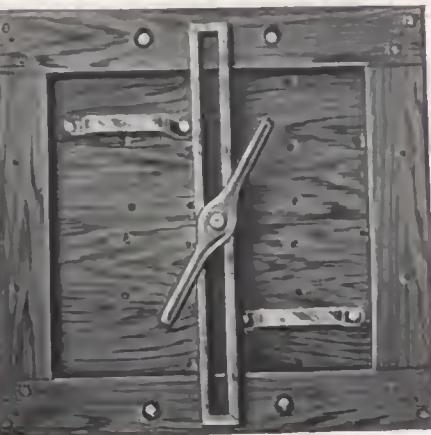


STUFFING DOOR CLOSED.

Our improved Stuffing Door is the lightest and yet most durable. It is absolutely water and grease tight. Made in two sizes 20 and 24-inch diameter. When used for Chrome Wheel Doors, we furnish these in brass.

STUFFING DOOR OPEN.

STEHLING'S DOORS FOR DRUMS.

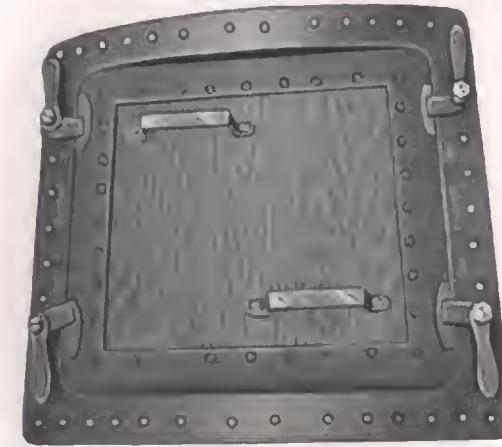


This style of door is generally used in the staves of the drum but can also be used in the heads. It consists of a hardwood frame which is bolted against the staves. The door consists of wood and opens towards the inside of the drum. It is held in place by a cross bar and threaded handle. We guarantee this door to be watertight. All metal exposed to liquor is made of brass.

Standard size door opening is 23 in. x 28 in. but can furnish any size desired.

CHAS. H. STEHLING CO., MILWAUKEE, WIS.

STEHLING'S DOORS FOR DRUMS.



This style of door is used in the staves of the drum, it consists of a metal frame which is bolted against the staves. The door consists of wood bolted on a metal frame and opens towards the outside. It is held in place by four handles. We guarantee it to be watertight. Standard size of door opening is 20 in. x 22 in.

This style of door is used in the heads and also in the staves of the drum. It consists of a metal frame which is bolted onto the head. The door consists of wood bolted on a metal frame and opens towards the outside. It is a watertight door.

Standard size door opening, 24 in. x 24 in. and 20 in. x 24 in.

INTERNAL GEARS.

For driving Wash and Tanning Drums, bolted onto the head. The gear has 150 teeth 3-inch face, $1\frac{1}{2}$ -inch pitch and the outside diameter is 6 feet 9 in. The pitch diameter is 6 feet. We can make any size gear to order, but the above mentioned size is generally used.



RING SPROCKETS.

Ring Sprockets for driving Wash and Tanning Drums bolted onto the head, made in several sizes and for various kinds of chains. For the No. 78 and 88 chain belt we have one of 59 teeth and one of 77 teeth. For the No. 103 chain we have one of 66 teeth and one of 86 teeth. The No. 103 Sprockets we recommend for heavy work. We have all kinds of chain belting in stock.



CHAIN SEGMENT.



Chain Segments for driving Drums. This is a very good and cheap drive and runs with very little noise. These Segments are bolted on the outside of the Drums and are made in the following sizes:

- | | |
|-------------------------|---------------------------------------|
| 7 ft. dia. for No. 88 | chain 105 teeth 7 pieces make one set |
| 8 ft. dia. for No. 88 | chain 120 teeth 8 pieces make one set |
| 7 ft. dia. for No. 103 | chain 91 teeth 7 pieces make one set |
| 7½ ft. dia. for No. 103 | chain 98 teeth 7 pieces make one set |
| 8 ft. dia. for No. 103 | chain 104 teeth 8 pieces make one set |

Segment bolts are required to bolt Segments to the Drum and these are shipped with the Segments, unless ordered not to do so. The Sprockets for the Chain Segments we have in all sizes running from seven teeth up. In ordering Sprockets always give size of shaft Sprocket is to fit on, if keyseated or set screwed, number of teeth and number of Chain to be used on same.



STEWING'S FLANGES OR GUDGEONS FOR DRUMS.

Made in different sizes to accommodate the size of drum. The flanges are provided with an opening through the center, which is bored out tapering and made perfectly smooth. This allows the liquor to run towards the inside of drum very quickly. We have in stock the following sizes:

12 inch diameter having a bearing	$2\frac{1}{4}$	dia.	$x\frac{1}{4}$	in. long
15 "	"	"	$3\frac{5}{8}$	" $x 4\frac{1}{2}$ in. long having a $1\frac{1}{2}$ inch opening
18 "	"	"	$4\frac{1}{2}$	" " $x 7\frac{5}{8}$ "
20 "	"	"	$5\frac{1}{2}$	" " $x 7\frac{5}{8}$ "
24 "	"	"	$7\frac{1}{2}$	" " $x 10$ "
30 "	"	"	$5\frac{1}{2}$	" " $x 7\frac{5}{8}$ "
24 "	"	"	$10\frac{1}{4}$	" " $x 7\frac{5}{8}$ " used for hot air stuffing

drums with an opening of $7\frac{1}{4}$ inch dia. to admit galvanized iron pipe.

Flanges for Paddle Wheels, made in sizes as follows: 10 in., 12 in., 14 in., 16 in. and 18 in. diameter bored and keyseated to fit on shafts from $1\frac{1}{2}$ inch up to 3 inches diameter. Four flanges are furnished for each paddle wheel, which makes one complete set.



DROP HANGER.



POST HANGER.



PILLOW BLOCK.

We make these hangers and bearings in sizes to fit the bearings on our flanges. Can furnish either drop, post or pillow block as may be required. The drop hanger shows the ball box laying loose in the hanger, it is self adjustable in case the Drum should settle to one side. Either style can be used with the 18-20-24 and 30-inch flange. If desired roller bearings can be furnished in place of babbitted bearings.

CHAS. H. SPREILING CO., MILWAUKEE, WIS.

SEGMENTS AND PINIONS.

Segments and Pinions for driving drums we recommend to be the most durable and best drive and take the least power. These segments are bolted on the outside of the drum and are made in the following sizes:

	6 -ft. dia. 3-in. face $1\frac{1}{4}$ -in. pitch	189 teeth	9 pieces make 1 set
7 -ft. " 3-in. "	1 $\frac{1}{4}$ -in. "	220 "	10 "
7 $\frac{1}{2}$ -ft. " 3-in. "	1 $\frac{1}{4}$ -in. "	233 "	11 "
8 -ft. " 3-in. "	1 $\frac{1}{4}$ -in. "	252 "	12 "
8 -ft. " 3-in. "	1 $\frac{1}{2}$ -in. "	204 "	12 "
7 -ft. " 4-in. "	1 $\frac{1}{2}$ -in. "	180 "	10 "
8 -ft. " 4-in. "	1 $\frac{1}{2}$ -in. "	204 "	12 "
8 -ft. " 4-in. "	1 $\frac{1}{2}$ -in. "	208 "	8 "
9 -ft. " 4-in. "	1 $\frac{1}{2}$ -in. "	234 "	13 "
10 $\frac{1}{2}$ -ft. " 4-in. "	1 $\frac{1}{2}$ -in. "	252 "	12 "
11 $\frac{1}{2}$ -ft. " 4-in. "	1 $\frac{1}{2}$ -in. "	300 "	12 "

Segments to bolt on head of drums.

	4 $\frac{1}{2}$ ft. dia. 1 $\frac{1}{2}$ -in. face $1\frac{1}{8}$ -in. pitch	teeth 6 pieces to one set
7 ft. " 3 -in. "	1 $\frac{1}{2}$ -in. "	174 "
4 $\frac{3}{4}$ -ft. " 3 -in. "	1 $\frac{1}{4}$ -in. "	148 teeth made in one piece

Segment Bolts are required to bolt Segments to Drum, and these are shipped with the Segments unless ordered not to do so.

The Pinions for these segments we have in different sizes running from 17 teeth up. In ordering pinions, always give the size of shaft pinion is to fit on, number of teeth, face and pitch.



FRICITION CLUTCH.



IDLER.



Friction Clutches for driving Drums and paddle wheels, made in two sizes, five and eight horse power. The five horse power clutch is made for No. 78 and No. 88 chain, with a brass spring of $4\frac{1}{2}$ inch diameter, and the eight horse power is made for No. 103 chain with a brass spring 6 inch diameter. Always state size of shaft, number of tooth sprocket and what chain to be used when ordering.

Our improved Idler for driving any kind of Drums. The frame is arranged for pulleys 14 inch diameter by 9 inch face, but can make special sizes to order. This drive is mostly used on Stuffing Drums. Always state size of shaft Idler is to go on when ordering.

CHAS. H. STEHLING CO., MILWAUKEE, WIS.

FRICITION CLUTCHES.

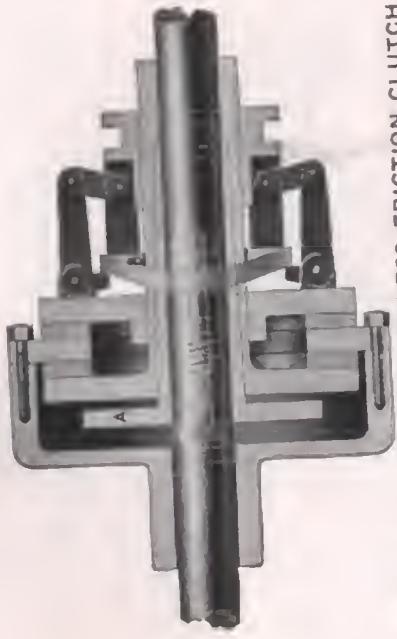


We guarantee our clutches to be made of good material and A-1 workmanship.

If any clutches furnished by us are defective in material, and do not fulfill our representation, we will replace them free of charge or refund the money paid for them.

We will not replace clutches which have been put out of commission, due to inattention of the user, in regard to lubrication or misuse, or due to the customer having ordered a clutch too small for the requirements, or smaller than we would guarantee for the work in question.

Our guarantee and liability is limited as stated above.



**SECTIONAL VIEW OF KEYLESS FRICTION CLUTCH
A.—Taper Sleeve. B.—Equalizing Adjusting Yoke.
Dimensions of Standard Clutches.**

Length of sleeve, inches	Diameter of sleeve, inches	Length without bore, inches	Large end diameter, inches	H.P. at 100 R.P.M.
6	7 1/2	7	9 1/2	22.50
7	8 1/2	8	10 1/4	31.00
8	9 1/2	12	12	36.50
10	13 1/4	13	13	56.00
12	13 1/2	13	13	60
15	16 1/2	13	13	.70
25	19 1/2	13	13	.80

Length of sleeve, inches	Diameter of sleeve, inches	Length without bore, inches	Large end diameter, inches	H.P. at 100 R.P.M.
6	7 1/2	7	9 1/2	22.50
7	8 1/2	8	10 1/4	31.00
8	9 1/2	12	12	36.50
10	13 1/4	13	13	56.00
12	13 1/2	13	13	60
15	16 1/2	13	13	.70
25	19 1/2	13	13	.80

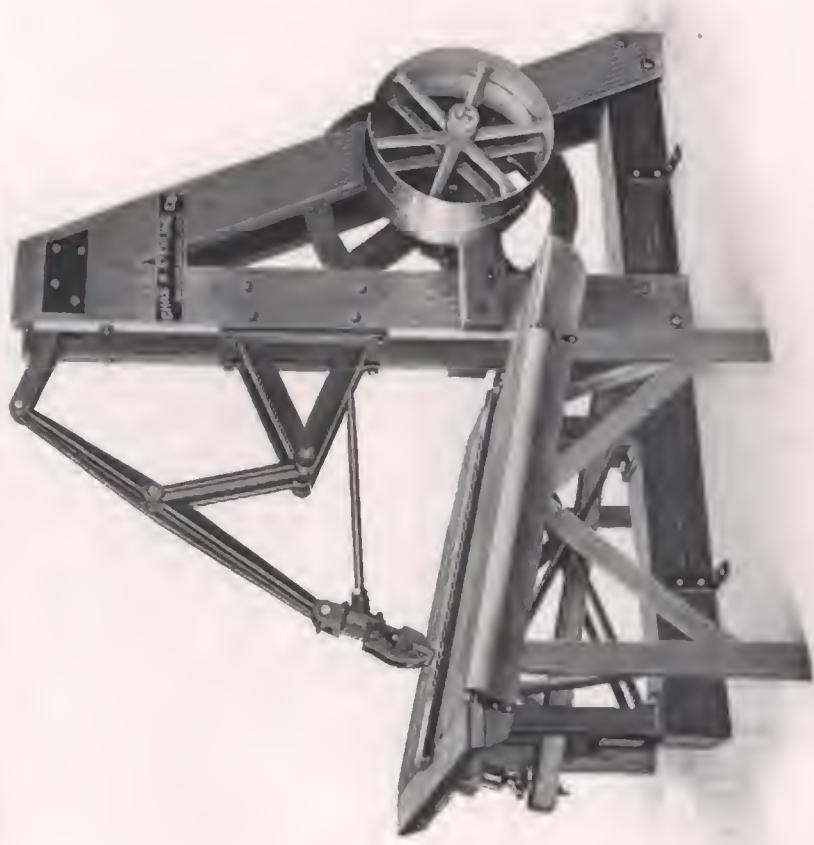
Length of sleeve, inches	Diameter of sleeve, inches	Length without bore, inches	Large end diameter, inches	H.P. at 100 R.P.M.
6	7 1/2	7	9 1/2	22.50
7	8 1/2	8	10 1/4	31.00
8	9 1/2	12	12	36.50
10	13 1/4	13	13	56.00
12	13 1/2	13	13	60
15	16 1/2	13	13	.70
25	19 1/2	13	13	.80

THE STEELING JACK.

This Machine can be used for various purposes, viz:

- For smoothing the grain.
- For working out the wrinkles.
- For setting out heavy leather.
- It can also be arranged for rolling, pebbling or glassing.

The machine is heavily constructed, the base being 8x8 white oak and the frame 3x10 white oak, thoroughly seasoned stock. It has a perfectly straight stroke 36 inches long, with an adjustable bed. The tight and loose pulleys are 24 in. dia. x 5 in. face, the speed is 90 to 100 revolutions per minute. The machine complete with table takes up a floor space of 6 ft. in width by 9 ft. long, and is 7 ft. 6 in. high. The weight is 1875 lbs.



ROCKER MOTION GLAZING MACHINE.

This illustration shows the inclined bed glazing machine for glazing chrome kid, kangaroo, sheep, calf or side leathers. Duplicate parts carried in stock.

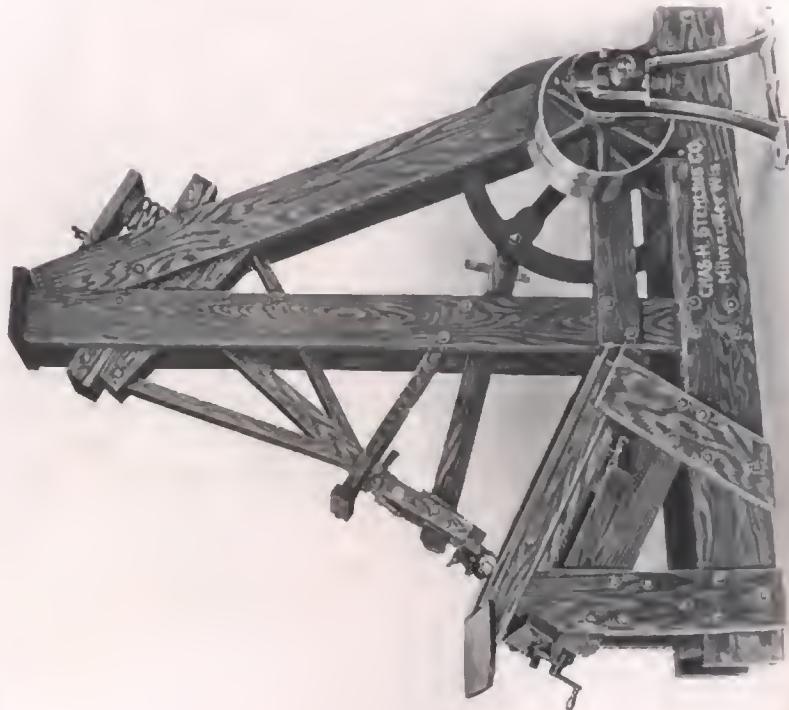
Floor Space 7 ft. 6 in. by 3 ft. 3 in.

Height 8 ft. 3 in.

Tight and Loose Pulleys, 18 in. dia. x 4 in. face.

Speed 150 Revolutions.

Weight, 900 pounds.



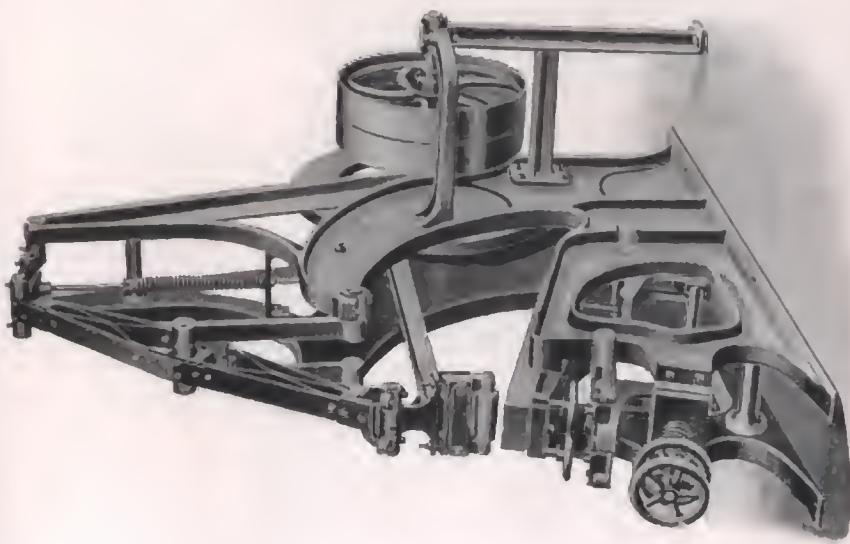
HEAVY ROLLING JACK.

This illustration shows a heavy rolling machine, designed for rolling, glassing, glazing and pebbling heavy splits, or similar leathers. It is constructed throughout of Steel and Iron.

Tight and loose pulleys, 26 in. Dia. $\times 4\frac{1}{2}$ in. Face.

Speed for rolling, 40 to 50 Rev.

Weight, 2500 pounds.





LAVYMAN STAKING MACHINE.

This machine has many advantages over any other now on the market. It does not tear the stock or loosen the flanks. It makes the leather softer in texture, the grain finer, so that it will not become pipy or grainy. It stretches and works out, thereby giving more measurement than other methods of staking.

A few important features of the machine are as follows:

IRON BASE PLATE, which assures alignment of working parts and eliminates vibration.

A NEW PRESSURE-REGULATING DEVICE, imparting to the staking blade a horizontal movement only, thus keeping the edge of the blade always the proper height.

AN IMPROVED CAM ROLLER HOLDER, guaranteeing perfect contact between rollers and cams. **REMOVABLE WEAR STRIPS** are placed under the sliding head, thus enabling lost motion to be taken up without replanning the frames.

IMPROVED BREAST ROLLER, which can be secured in many positions, thereby assuring the full use of all the rubber on the roller.

This machine is used for staking goat, sheep, calf kips, and side leathers.

Weight, Net	2100 lbs.
Weight, Boxed	2500 lbs.
Width over all	2'-3"
Length over all .....	.9-7"
Boxed for Export.....	.36" x 4"
Tight and loose pulley.....	120 cubic feet
Speed of T & L Pulley.....	.74 R. P. M.
Horse Power	3/4

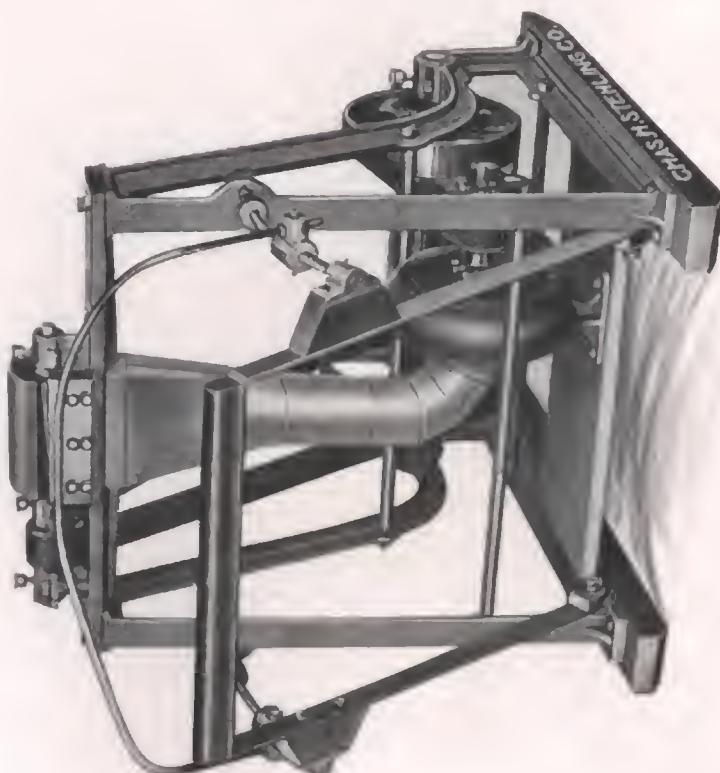
STEINING'S FUR AND WOOL SKIN
CLIPPING MACHINE.

This illustration shows a Clipping Machine used for clipping fur and wool skins. A fan is attached to the machine to take away the wool. Length of cutting blade, 8, 10, 12 and 14 inches. The 8 inch machine takes a floor space of 3'-6" in width and 5 feet in length.

Size of T & L Pulleys 6 in. Dia. x 3½ in. Face.

Speed of Pulleys 430 R. P. M.

Weight 550 lbs.



STEHLING'S KICKING OR MILLING MACHINE.

This illustration shows our style of a Kicker or Milling Machine which is specially adapted for Fur Dressers and for Skins tanned with the hair.

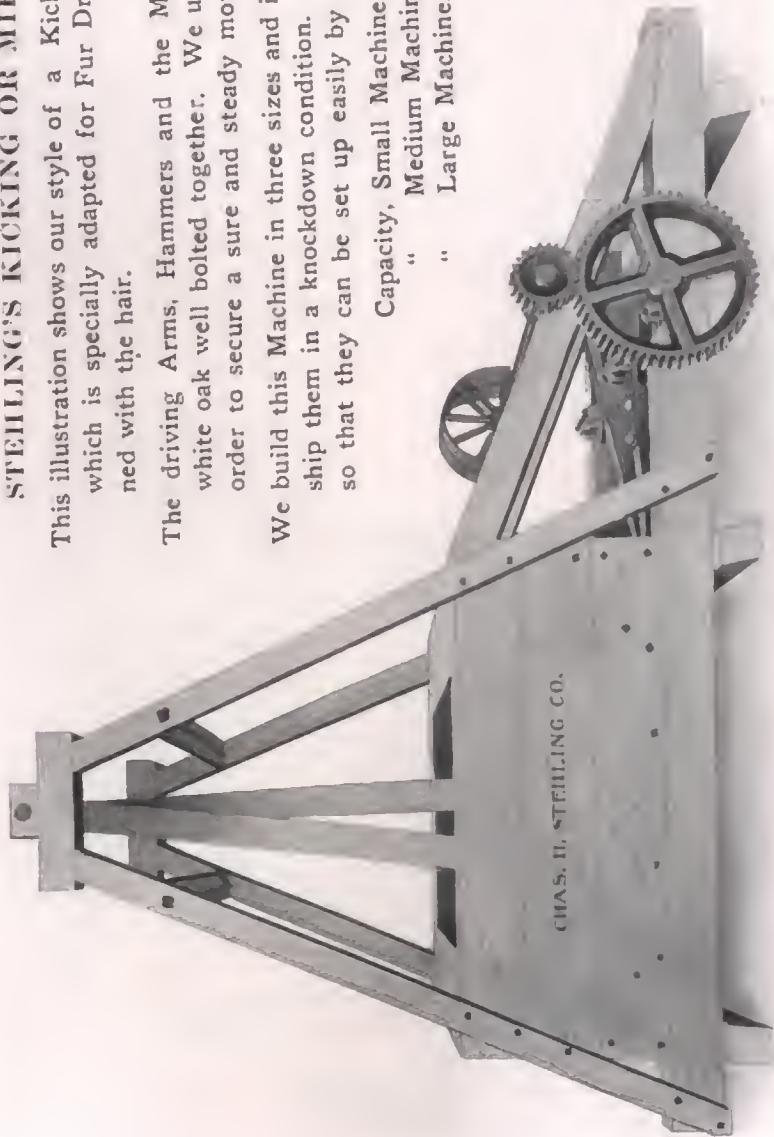
The driving Arms, Hammers and the Milling Box are made of white oak well bolted together. We use strong Gear Wheels in order to secure a sure and steady motion.

We build this Machine in three sizes and in such shape that we can ship them in a knockdown condition. All parts being numbered so that they can be set up easily by any mechanic.

Capacity, Small Machine, 350 Wombats.

" Medium Machine, 10 to 12 Whole Hides.

" Large Machine, 22 to 24 Whole Hides.



CHAS. H. STEHLING CO.



STEHLING'S COMBING
OR CARDING MACHINE.

A very desirable machine for
FUR DRESSERS and WOOL
SKIN TANNERS. It is used
for cleaning and combing any
kind of fur skins, sheep skins,
robes, etc. It is very simple but
strongly constructed.

Carding Roll is 5'-8" long.

A Countershift is furnished
with machine.

Floor space required 4'4" in
width by 7'-5" in length.

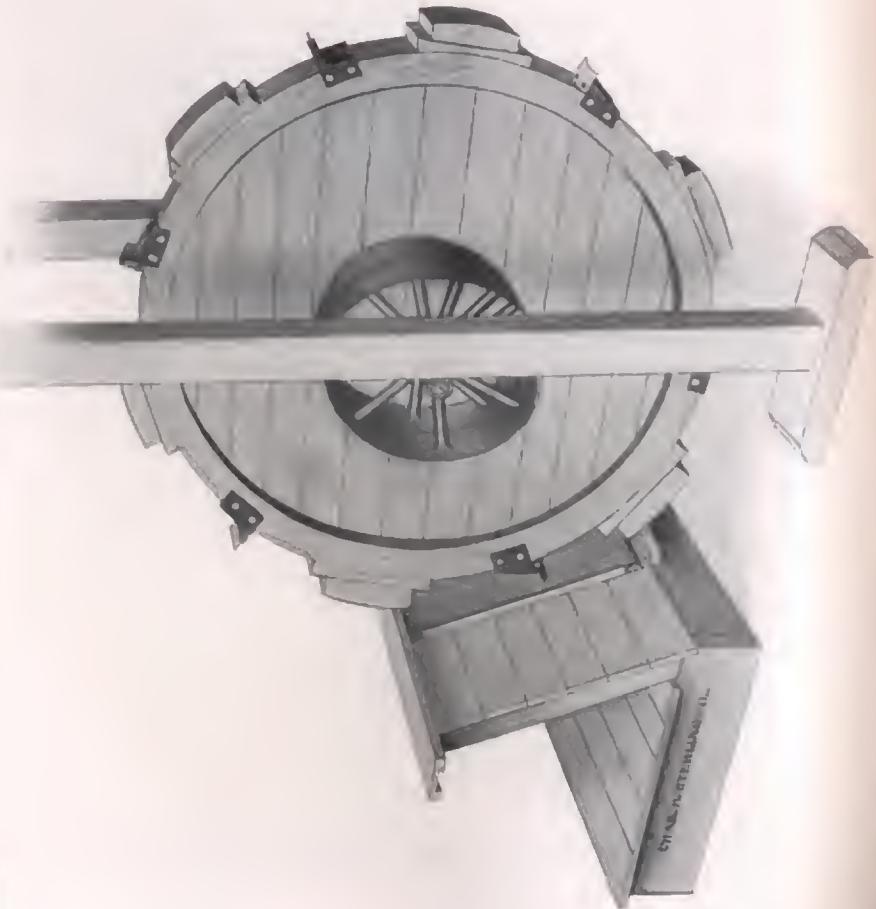
Size of T & L Pulleys 14"x5".

Speed of Countershift 300 to
325 Rev.

Weight 1400 lbs.

SPENLING'S COMBINED
STRETCHING AND BUFFING
WHEEL..

This Machine is especially built for Stretching Small Fur and Wool Skins. It is a Combination Wheel as the cut shows, having both Knives and Emery Blocks. The Emery Blocks can be taken off easily and substituted with brushes. We have several of them running and they are giving good results and working to the best of satisfaction.

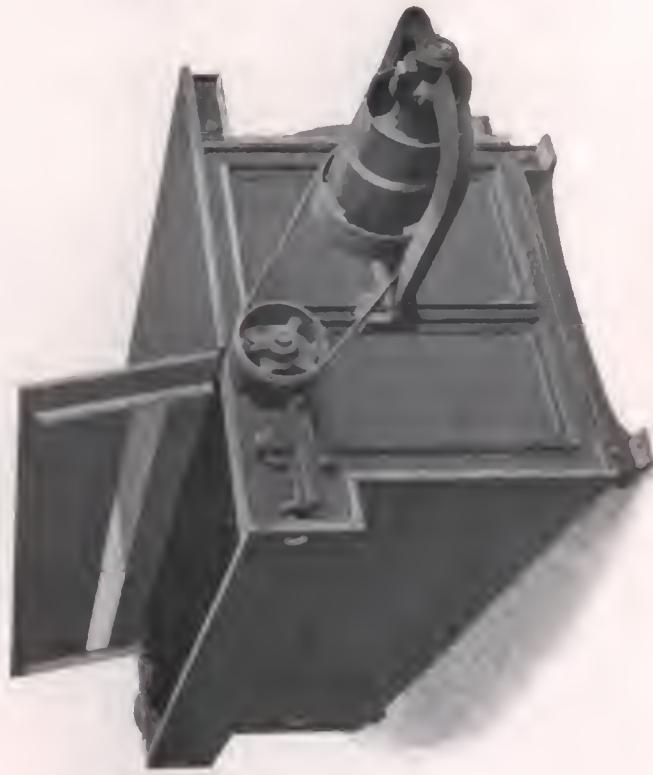


BRUSHING AND DUSTING OFF MACHINE.

A valuable and desirable Machine for polishing up the colors, especially Russet Leather. The brush rolls are encased and a fan attached within the casing to take away all dust immediately.

We also build this machine having a wood frame with fan attached. It is a cheaper construction, but will do the same work as the iron frame machine.

The Brush rolls are 6 ft. 2 in. long.
Floor space required 4 ft. 6 in. x 7 ft. 3 in.
Tight and loose pulley, 8 in. x 3½ in.
Speed of Countershft: 500 Rev.
Weight, 850 pounds.



PAPER BUFFING WHEEL.



This is a very desirable machine for tanners of sheep and calf skins, patent and glove leathers, etc. It is one of the very best buffing wheels that is in use today. It can be run at a very high speed without any vibration. The pulleys are encased in the housing, and can be driven from overhead or underneath the floor. The wheels are constructed of paper.

36 in. dia. x 7 in. face.

Tight and Loose pulleys. 14 in. dia. x 6 in. face.

Speed 900 to 1000 Revolutions.

Horse Power required, 5 to 8.

Floor Space required $3\frac{1}{2}$ ft. x $6\frac{1}{2}$ ft.

Weight 1175 lbs.

BUFFING AND BRUSHING MACHINE.



This illustration shows a brushing machine with fan attached to take away all dust while brushing or polishing leather. The leather is held against the brush by means of a roller which is operated by a foot treadle. It is also used for buffing or snuffing off the grain, accomplished by changing cylinders.

Floor space required, 5 ft. x 2 ft. 8 in.

Tight and loose pulleys, 10 in. dia. x 4 ft. face.

Speed of driving pulleys, 425 rev.

Weight, 975 lbs.

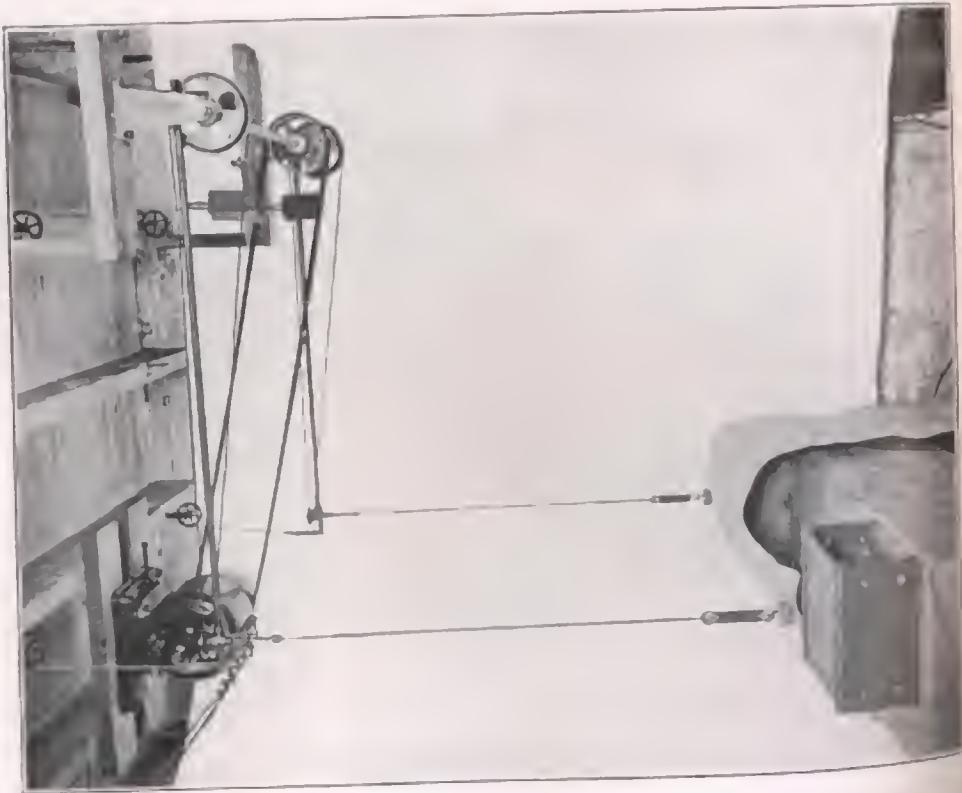
FINE HAIR GRINDER.

This machine is specially designed to remove completely, rapidly, and without injury to the grain, all fine hair, from glazed leathers, even after the leather has been finished.
...

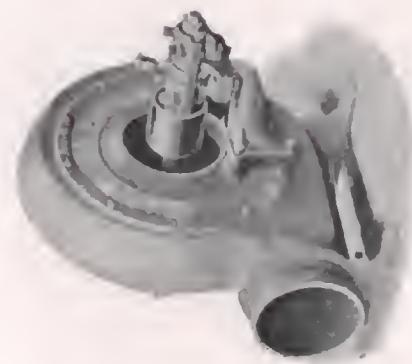
Any number of machines can be mounted on one shaft, as shown in illustration where two machines are mounted. The power to drive one machine is nominal, 1-8 horse-power being required.

With one machine we ship shaft and hangers to carry two machines and if another is required it can be erected with little extra expense.

Hand piece is provided with ball bearings, vertical spindle bearing is self-oiling, hangers are provided with oil cups, all put up in first-class manner.

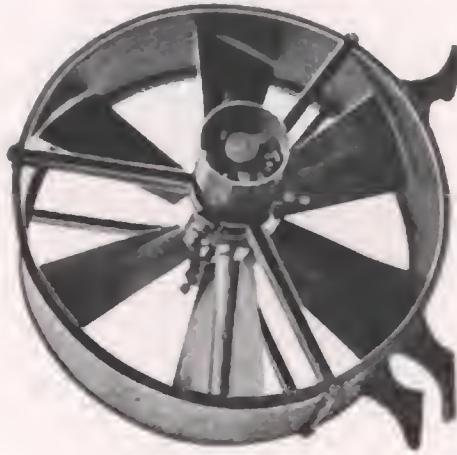


TANNER'S AND CARRIER'S SUPPLIES.



SMALL BLOWERS.

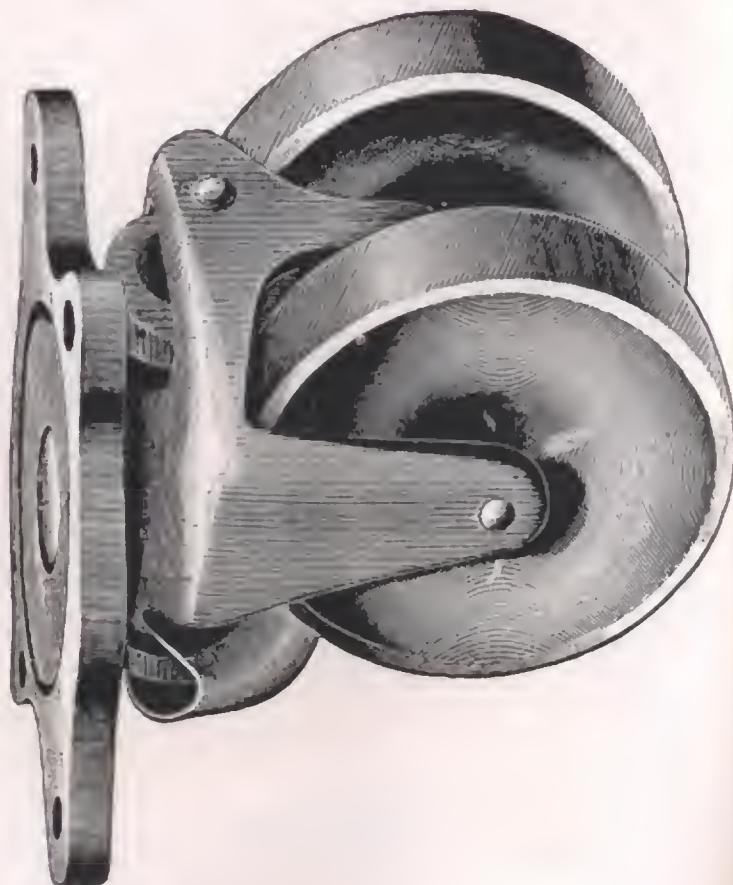
Adapted for Buffing Wheels, Brush Wheels and Splitting Machines. We can furnish both styles from 18 inch to 72 inch diameter.



EXHAUST FAN.

To Tanners not having the Blower System installed, we advise the use of these Fans to take out the moisture and keep up a circulation of fresh air.

DOUBLE WHEEL TRUCK CASTERS.



We have in stock Casters that are generally used in the Tannery trade.

Size 10. No. 102 Oblong Plate, $3\frac{3}{8} \times 4\frac{1}{3}$ Diam. of Wheels, $3\frac{1}{8} \times 3\frac{3}{4}$ in. face, height over all $4\frac{1}{8}$ in.

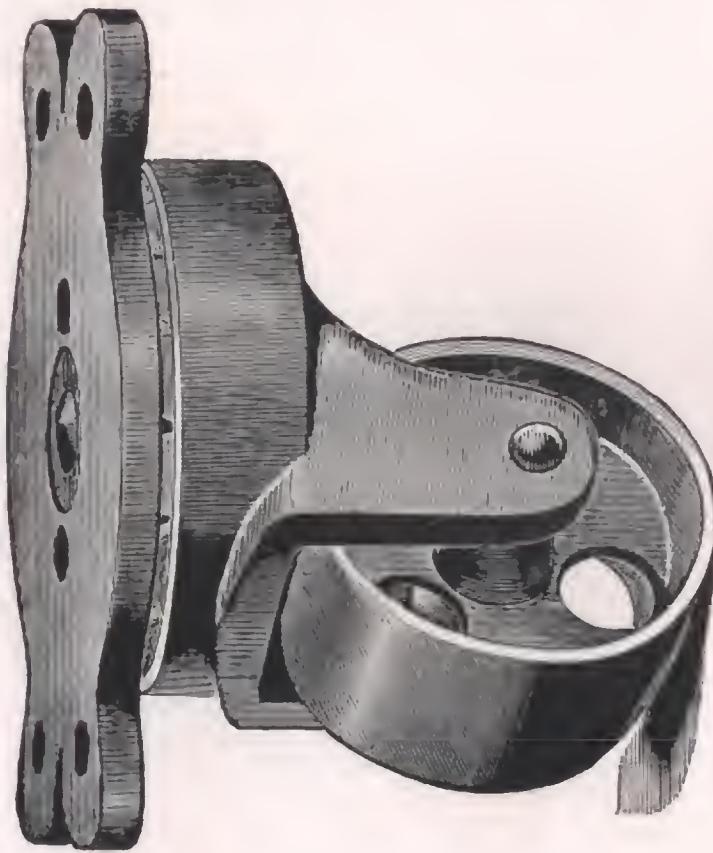
Size 11. No. 112 Oblong Plate $3\frac{1}{2} \times 5\frac{1}{8}$ diam. of wheels $3\frac{5}{8} \times 7\frac{1}{8}$ in. height over all $4\frac{5}{8}$ in.

Size 12. No. 122 Oblong Plate $4\frac{1}{4} \times 6\frac{3}{8}$ diam. of wheels, $4\frac{3}{8} \times 1\frac{1}{8}$ in. face height over all $5\frac{1}{8}$ in.

This Caster is used by Tanners for very heavy work.

We carry these Double Wheel Truck Casters in all sizes and can supply your wants promptly.

SINGLE WHEEL TRUCK CASTERS.



The Single Wheel Truck Casters generally used in the Tannery trade are as follows:

No. 188—Oblong Plate $3 \times 4\frac{1}{2}$ in.; Diam. of Wheel $2\frac{1}{2} \times 1\frac{1}{4}$ in.; Height $3\frac{1}{2}$ in.

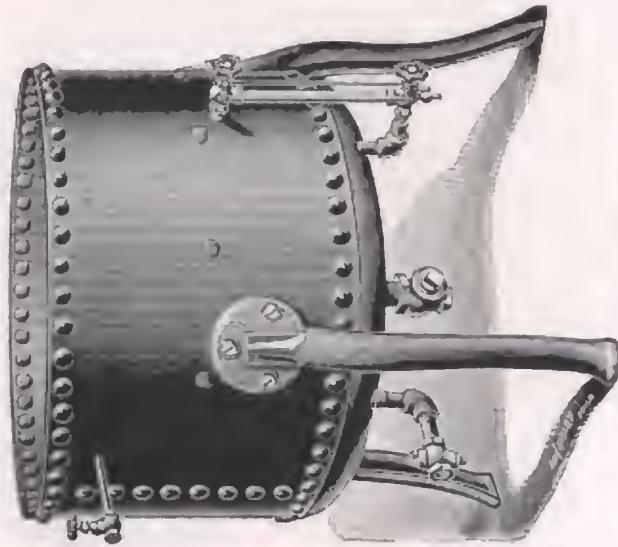
No. 190—Oblong Plate $3\frac{3}{8} \times 4\frac{7}{8}$ in.; Diam. of Wheel $3\frac{1}{8} \times 3\frac{3}{8}$ in.; Height $4\frac{1}{2}$ in.
No. 192—Oblong Plate $4\frac{1}{2} \times 6\frac{1}{4}$ in.; Diam. of Wheel $4 \times 2\frac{1}{4}$ in.; Height 9 in.

All Sizes of Single Wheel Truck Casters carried in stock.

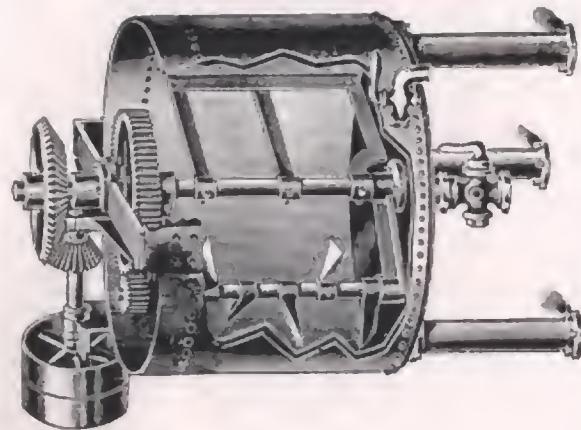
State size of Wheels wanted when ordering.

CHAS. H. STEUING CO., MILWAUKEE, WIS.

TANNER'S GREASE KETTLE AND MIXER.



JACKETED STEAM KETTLE.



JACKETED STEAM MIXER.

Made of the best Boiler Steel Plate. These Kettles can be heated either with live or exhaust steam; they are undoubtedly a great steam and labor saver for the Tanners.
Made in sizes from 25 to 3000 Gallons Capacity.

STEHLING'S CARBOY ACID TIPPER.

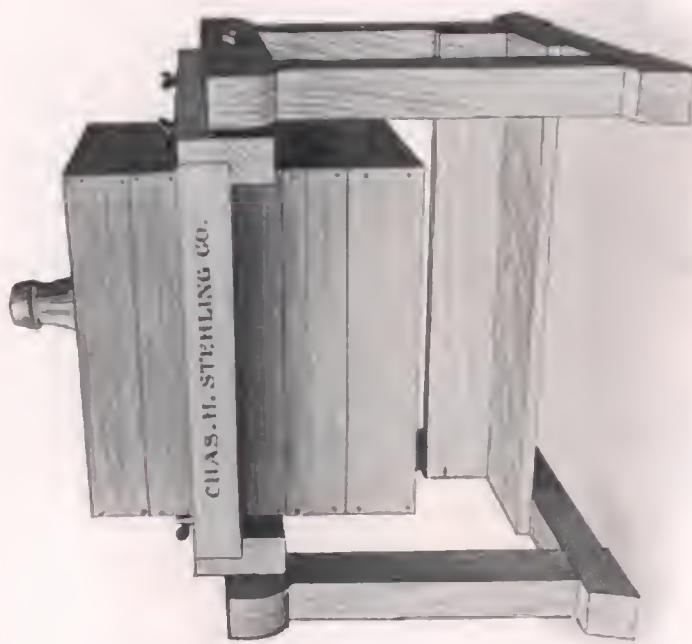
Acid being frequently used in the Tanning Trade, it seems no more than proper that some precaution should be taken for its safety in handling.

This cut shows our new Carboy Tipper. The same is so arranged to tip over very easy and every drop can be taken out of the Carboy, and it requires but little pressure to balance it to its upright position as shown.

We have received the highest praise from parties using our Carboy Tippers. They openly claim them as an accident preventor and labor saver.

Why not use them.

Wheels or Casters can be applied for moving the frame with the Carboy.



STEHLING'S TWO WHEEL HAND TRUCK.

Since we have introduced this style of truck in the tannery for trucking of skins or hides, either in a green or limed condition, it has met with universal success. A man will do twice as much work with this style of truck and will not exert himself as against the common single wheel wheelbarrow. The truck is self-balancing; it can be arranged with side boards if necessary.

Size of platform including slant, 34 inches x 54 inches.

Diameter of wheels, 14 inches.

Floor space required for 1 truck, 34 inches x 72 inches.

Weight, 150 pounds.



FLESHERS.

Sizes of Fleshers given are taken between handles.



No. 1 OVAL HANDLE.



No. 2 STRAIGHT HANDLE.

	D	C
13 Inch Fleshers, Silver Steel, per dozen.....	\$31.50	.....
15 Inch Fleshers, Silver Steel, per dozen.....	31.50	23.00
16 Inch Fleshers, Silver Steel, per dozen.....	34.00	26.00
17 Inch Fleshers, Medium, Silver Steel, per dozen.....	36.00	27.50
17 Inch Fleshers, extra heavy, Silver Steel, per dozen.....	39.00	31.50
18 Inch Fleshers, Heavy, Silver Steel, per dozen.....	39.00	30.00
20 Inch Fleshers, Heavy, Silver Steel, per dozen.....	42.00	33.00
22 Inch Fleshers, Heavy, Silver Steel, per dozen.....	45.00	36.00

For Sheep Skins use the 13 and 15 Inch Knives.

For Morocco use the 16 Inch Knives.

For Side Leather use the 17 Inch Knife.

Unless otherwise ordered medium Fleshers are always sent. Fleshers can be furnished with either oval or straight handles, if not stated in order assorted handles are sent.



No. 3 CHISEL TOOTH FLESHER.

Made of best Silver Steel, with five teeth to the inch. The teeth are filled back on either side and cut within two inches from either end, for use on Sole leather.

Extra heavy 17 inch Blade, per dozen..... D, \$45.00 C, \$36.00

Saw Tooth and other Fleshers made to order.

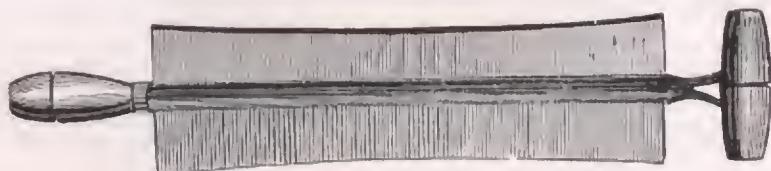
FLESHERS.



No. 4 GERMAN SPRING FLESHER.

17 inch Best Silver Steel, per dozen.....	\$28.50
21 inch Best Silver Steel, per dozen.....	32.50
23 inch Best Silver Steel, per dozen.....	36.00
25 inch Best Silver Steel, per dozen.....	40.00

This Flesher possesses the best spring temper, so that the blade easily springs to the curve of the beam.



No. 5 IMPROVED FLESHER.

17 inch Blade, Best Silver Steel, per dozen.....	\$46.50
17 inch extra Blades for same, per dozen.....	24.00



No. 6 WORKER.

	D	C
16 inch size for Sheep Skins, per dozen.....	\$24.00	\$16.00
17 inch size for Calf Sides, per dozen.....	26.00	....
18 inch medium size, per dozen	28.00	21.00



No. 7 HIDE BREAKER.

Made up in 15 inch to order only

FLESHERS.



CLIPPER FLESHER.

Diamond Grade, with 18 Inch Removable Blades, per dozen.....	\$36.00
Extra Blades, per dozen	16.00



BATE BEAM STONE.

Bate Beam Stones, Slate, with Handles, per dozen.....	\$13.00
Handles alone	4.50



BURR KNIFE.

Length of Blade, 28 in. x 3 $\frac{1}{4}$ in. wide, per dozen.....\$38.00

Made of Silver Steel with wood handles and used mostly by Sheep Skin Tanners for removing burrs.



BUCK SKIN BRAKERS.

Made in 16 $\frac{1}{2}$ Inch to order only, per dozen.....\$68.00

SPLITTING, HAIRING AND TRIMMING KNIVES.



BUTCHER KNIVES.

6 Inch Blades, per dozen.....	\$4.00	10 Inch Blades, per dozen....	\$ 9.50
7 Inch Blades, per dozen.....	5.00	12 Inch Blades, per dozen....	14.50
8 Inch Blades, per dozen.....	6.50	14 Inch Blades, per dozen....	21.25
9 Inch Blades, per dozen.....	8.00		



HAIRING KNIVES.

6 $\frac{1}{2}$ Inch, per dozen.....	.....	.....	\$ 5.00
7 Inch, per dozen.....	.....	.....	6.00



CURVED SPLITTING KNIFE.

Made with Brass Bolts in Handles.

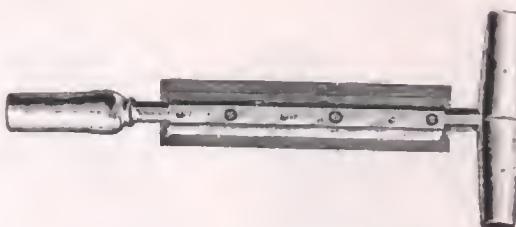
6 Inch Blade, per dozen.....	.....	\$ 7.00
8 Inch Blade, per dozen.....	.....	8.00



TRIMMING AND SHOE KNIVES.

No. 1—Length of Blade 2 $\frac{3}{4}$ Inches, per dozen.....	.....	\$ 1.25
No. 2—Length of Blade 3 Inches, per dozen.....	.....	1.25
No. 3—Length of Blade 3 $\frac{1}{2}$ inches, per dozen.....	.....	1.25
No. 4—Length of Blade 3 $\frac{3}{4}$ Inches, per dozen.....	.....	1.30
No. 5—Length of Blade, 4 $\frac{1}{4}$ Inches, per dozen.....	.....	1.35

CURRIER'S KNIVES, BLADES AND STEELS.



	D	C
Nos. 1, 2 and 3 made of Forged Steel, per dozen.....	\$42.00	.....
Blades and Screw Driver furnished with each knife,		
1 Inch Silver Steel Blades, per dozen pairs.....	5.50	4.50
1 1/4 Inch Silver Steel Blades, per dozen pairs.....	6.50	5.00
1 1/2 Inch Silver Steel Blades, per dozen pairs.....	7.00	5.50
1 3/4 Inch Silver Steel Blades, per dozen pairs.....	8.00	6.00

Unless otherwise ordered No. 19 Gauge Blades are always furnished.



FINGER STEELS.

No. 30 to 54 Gauge Steels only, per dozen.....	\$2.25
No. 22 to 27 Gauge Steels only, per dozen.....	2.75
No. 13 to 17 Gauge Steels only, per dozen.....	4.25
No. 2 to 9 Gauge Steels only, per dozen.....	5.50
Handles only, per dozen .....	.75



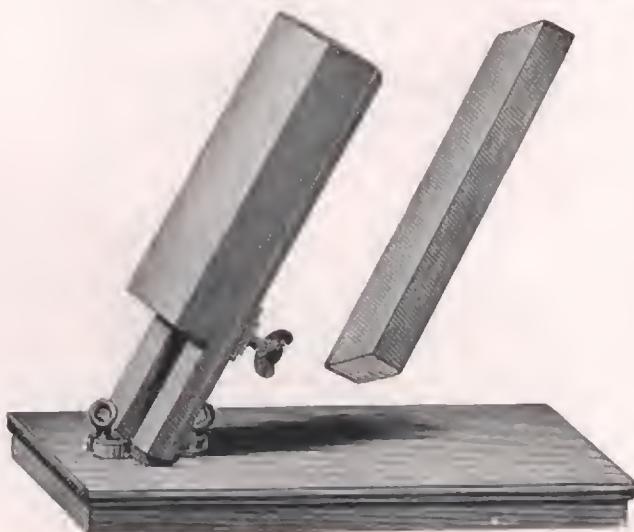
THREE CORNERED TURNING STEEL.

Turning Steels, three squares, 7 to 8 inch, per dozen.....	\$4.00
Round Turning Steels, 4 1/2 inch, per dozen.....	5.50

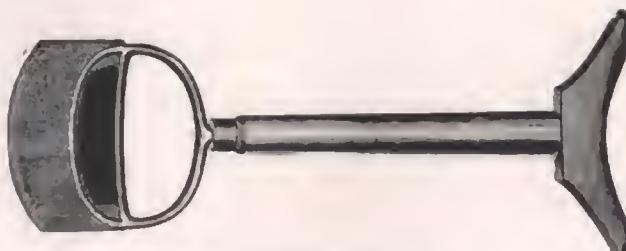
ADJUSTABLE BEAM AND ARM STAKER.

Beam Bed.

Beam Face.



Adjustable Beam Bed and Face with selected Lignum Vitae Faces, complete, per dozen	\$144.00
Adjustable Beam Bed without Face, per dozen.....	54.00
Lignum Vitae Face Select 2 1/2 in. x 8 in. x 24 in. long, per dozen.....	90.00



ARM STAKER

Skin Softener with Steel Blades, per dozen.....	\$14.00
Skin Softener with Rubber Blades, per dozen.....	19.00
Extra Blades, Steel or Slate, per dozen.....	4.25
Extra Blades, Hard Rubber, per dozen.....	9.25

Crutch has revolving motion.

Length from end of ferrule to out of Crutch 12 1/2 to 14 1/2 inches.

CRUTCH, STAKING STAND, BLADE AND KNIFE.



ARM CRUTCH FOR MOON KNIFE.

Arm Crutches for Moon Knife, per dozen..... \$4.50



STAKING BLADE.



MOON KNIFE.



STAKING STAND.

Staking Blades, 8 in. x 10 inch, per dozen.....	\$ 8.25
Staking Blades, 3 in. x 5 in., per dozen.....	4.00
Moon Knives, 8 inch or 9 inch diameter, per dozen.....	18.00
Moon Knives, 10 inch diameter, per dozen.....	21.00
Staking Stand, complete, per dozen.....	48.00

GRAINING BOARDS AND MARKING HAMMER.



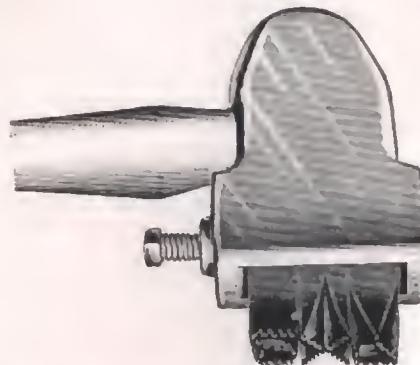
CORK ARM GRAINING BOARD.

Faced with one solid piece of Cork.	
17½ in. long x 7 or 8 in. wide, per dozen.....	\$27.00
17½ in. long x 9 or 10 in. wide, per dozen.....	30.00
Cork Bolsters, 17½ in. x 8 in. wide, per dozen.....	14.00
Cork Bolsters, 17½ in. x 9 in. wide, per dozen.....	15.00
Cork Bolsters, 17½ in. x 10 in. wide, per dozen.....	16.00



HAND GRAINING BOARD.

13 in. x 7 in. wide, per dozen.....	\$24.00
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HIDE AND LEATHER MARKING HAMMER.

Bronzed Hide Marking Hammers, each.....	\$ 5.00
½ in. Steel Figures or Letters with Serrated Edges, per set of 10 figures	10.00

TABLE AND WHITENING SLICKERS.



Scouring Stone.



Table Slicker.



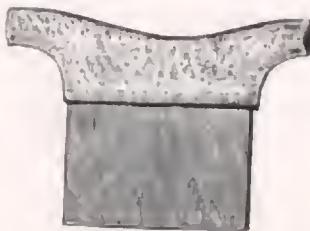
Glass Slicker.



Setting Slicker.



Slicker Blade.



Buffing Slicker.



Whitening Slicker.

Red Hand Scouring Stones, 5 $\frac{1}{4}$ in. x 3 in.....	per dozen	\$6.50
Blue Medium Scouring Stones, 5 $\frac{1}{4}$ in. x 3 in.....	" "	6.00
Slate Soft Scouring Stones, 5 $\frac{1}{4}$ in. x 3 in.....	" "	3.50
Handles to fit Stones	" "	2.50
Glass Slickers, 5 in. x 3 in.....	" "	2.75
Handles for same	" "	2.50
Table Slickers, 7 in. x 3 in., No. 18 Gauge Steel.....	" "	3.75
Table Slickers, 6 in. x 3 in., No. 19 Gauge Steel.....	" "	3.50
Cross Grain Cedar Handles	" "	4.50
Buffing Blades, 6 in. x 6 in.....	" "	10.00
Whitening Blades, 5 $\frac{1}{4}$ in. x 5 $\frac{1}{2}$ in.....	" "	9.00
Hollow Back Buffing Handles, Cross Grain.....	" "	6.00
Straight Back Buffing Handles, Cross Grain.....	" "	5.00
Brass Slickers	" "	6.50

TANNER'S AND CURRIER'S BROOMS AND BRUSHES.



Flat Top Table Duster.



Round Top Table Duster.



No. 1 Paste or Blackening Brush.



No. 2 Stuffing Brush.



No. 3 Seasoning Brush.

No. 1—Paste or Blacking Brush, 8 in. x 2 $\frac{1}{2}$ in. Russia Bristles,
14 x 5 rows..... per dozen \$10.00

No. 2—Stuffing Brush, 8 x 2 $\frac{1}{2}$ inch Bristles, 17 x 7 rows.... " " 6.00

No. 3—Seasoning Brush, 8 $\frac{1}{2}$ x 3 inch Bristles, 24 x 8 rows... " " 20.00

Any size or style of Brush made up to order upon receiving sample of the style that is required.

TANNER'S RUBBER ROLLS, APRONS AND GLOVES.



Rubber Mittens.



Rubber Gloves

OIL DUCK AND RUBBER APRONS.

Oil Aprons, regular 29 inches wide x 46 inches long, medium heavy	per dozen \$7.75
Oil Aprons, large, 37 inches wide x 46 inches long, medium heavy	" " 8.00
Oil Aprons, extra large, 40 inches wide x 46 inches long, medium heavy	" " 9.00
Rubber Aprons, light	" " 15.00
Rubber Aprons, medium	" " 18.00
Rubber Aprons, heavy	" " 21.00



STAKER ROLL.



SHAVING ROLL.

Rolls carried in Stock.



BREAST ROLL.

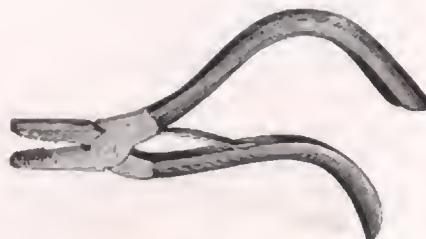
Breast Rolls for Laymann & Slocomb Stakers in Stock.

STANDARD TANNER'S PINCERS.



SPRING PUNCHES WITH SCREW TUBES.

Punches with Tubes	per dozen	\$8.15
Extra Screw Tubes	" "	1.50



No. 1 TACKING AND PULLING PINCERS.

Pincers	Per dozen	\$18.00
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No. 2 STRETCHING AND TACKING PINCERS.

Pincers	per dozen	\$18.00
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No. 3 TACKING PINCER WITH HAMMER.

For use on any kind of leather when boards are standing up-right	per dozen	\$18.00
Tinned Tacks, 18 and 20 oz., one inch long.....	per lb.	.07

TANNER'S EMERY WHEELS AND STONES.



EMERY WHEELS.

For Vaughn Shaving Machine, size 9 inch diam. 1 inch thick, 2 $\frac{1}{2}$ inch Bore	.....	per dozen	\$18.00
For Boyle Shaving Machine, size 9 inch diam., 1 inch thick, 3 $\frac{1}{4}$ inch Bore	.....	per dozen	18.00
For Belt Knife Splitting Machine, size 10 $\frac{1}{2}$ inch diam. x $\frac{3}{4}$ inch thick, 1 inch Bore	.....	per dozen	18.00
For Whitening Machines, size 9 inch diam., 1 $\frac{1}{4}$ inch face, x 4 inch Bore	.....	per dozen	20.00
Emery Bricks for Fleshing Machines, size 8 inch x 3 inch x 2 inch, . . . . .	.....	per dozen	10.00



RUB STONES.



TOM O'SHANTER STONES.



FIDDLING STONES.

Ohio Rub Stones, medium coarse,	per dozen	\$13.50
Fiddling Stones, octagon, 3 to 4 x $\frac{1}{4}$ to 1 inch,	per lb.	.24
Flesher Hones, 6 inch to 8 inch long x 1 $\frac{1}{2}$ to 2 inch,	"	.24



CLEARING STONES.

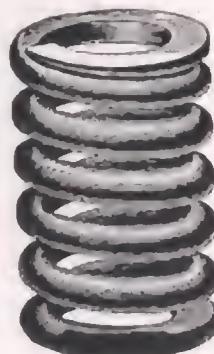
Genuine Tom O'Shanter Clearing Stones.

Assorted Sizes, 7 $\frac{1}{2}$ to 9 inch octagon 2 $\frac{1}{2}$ to 5 inch thick,	per lb.	\$0.35
" " 7 to 9 " " 1 $\frac{1}{2}$ to 2 $\frac{1}{4}$ " " " .24		
" " 6 to 7 " " 2 $\frac{1}{2}$ to 5 " " " .25		
" " 6 to 7 " " 1 $\frac{1}{2}$ to 2 $\frac{1}{4}$ " " " .24		
" " 3 to 5 " " 1 $\frac{1}{2}$ to 3 " " " .24		

SPRINGS AND GLASSES.



FLAT SPRINGS.



ROUND SPRINGS.

We make up any size Springs to order.

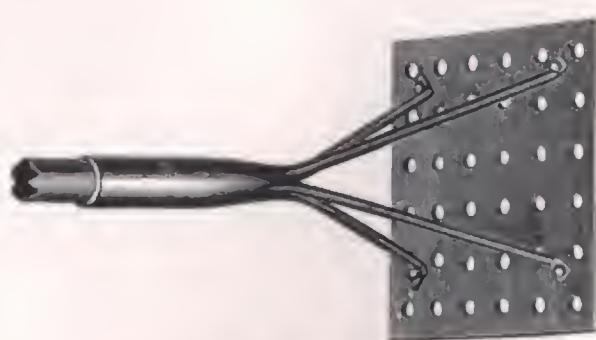


GLAZING AGATES.



GLAZING GLASSES.

	$3\frac{1}{2}$ x $2\frac{1}{4}$ in. thick.. per dozen	\$7.50		
Agates, 3 in. x 2 in.....each	\$6.00	4 $\frac{1}{4}$ x $2\frac{1}{4}$ in. thick.. "	"	7.80
" 3 $\frac{1}{2}$ in. x 2 in..... "	7.00	4 $\frac{1}{2}$ x $2\frac{1}{4}$ in. thick.. "	"	8.50
We Regrind Glazing Glasses		"	"	3.00



LIME PLUNGER.

Round or Square Pattern with 8 ft. Handles.....	per dozen	\$36.00
Round or Square Pattern without Handles.....	"	24.00

CYLINDERS.



CYLINDERS.



Shaving Cylinders for Any Size or Style of Machine.



WHITENING CYLINDERS.

Shaving Cylinders	price each
Whitening Cylinders	" "
Shaving Blades	" " .16
Whitening Blades	" " .16
Brass Caulking for Blades	per lb. .23
Steel Tamping	" .20
Fleshing Blades	price each 1.50

We make a specialty of re-blading Fleshing, Unhairing, Whitening and Shaving Cylinders.



PEBBLE ROLL.

We either carry Pebble Rolls in stock or make them to order on short notice.

FLESHING AND UNHAIRING CYLINDERS.



FLESHING CYLINDER.

We carry in stock Cylinders of our own make Fleshing Machine.
Cylinders of all other makes Fleshing Machines are made up to order
on short notice.



UNHAIRING CYLINDER.

Cylinders to fit our own make Unhairing Machines are carried in stock
for other make machines we make them up to order.



SHORT PITCH CYLINDERS.

This Fleshing Cylinder has short pitch Blades inserted into the Cylinder
between the regular size Blades.



PUTTING OUT CYLINDER.

Putting Out Cylinders are furnished either with brass or steel Blades in-
serted into the Cylinder and are made to order.

We furnish new Cylinders and Re-blade old ones, putting them in first
class shape and balancing them to run perfectly true.

SPLITTING, BARK AND BELT KNIVES.



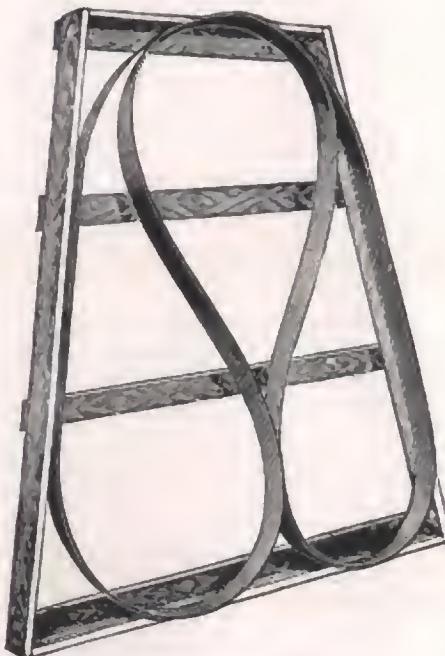
UNION SPLITTING MACHINE KNIVES.

45 Inch Splitting Knives carried in stock.....each \$17.00



BARK CUTTER KNIVES.

Carried in Stock for the Holbrook and Ott Bark Cutters.



BELT KNIVES.

Belt Knives for the 57 inch, 72 inch and 106 inch Machines carried in stock

We carry duplicate parts in stock of the American Tool Belt Knife Machine and make a specialty of repairs and regrinding Belt Knife Jaws.

FLESHING AND SHAVING CYLINDER BLADES.



SHAVING MACHINE BLADES.



FLESHING AND UNHAIRING MACHINE BLADES.

LIME AND LEATHER HOOKS.



LIME HOOKS.

For pinning sides together in connection with our patented Hide and Lime Reel.

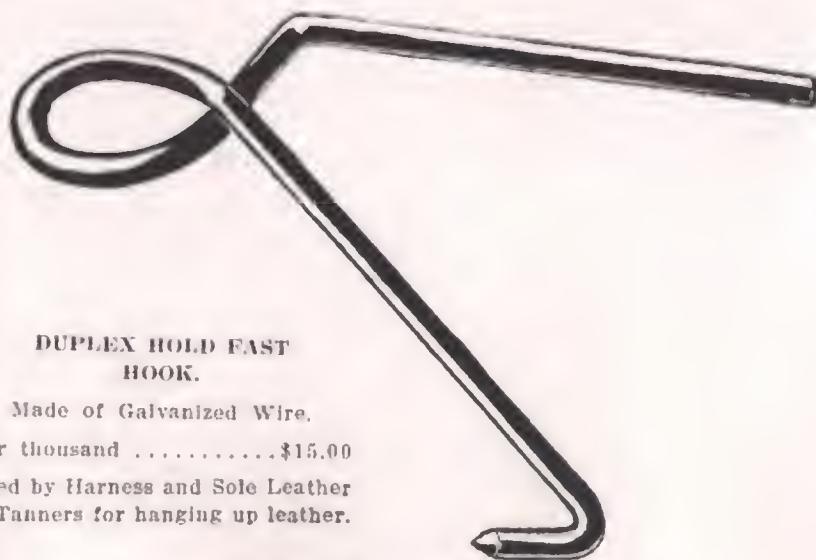
Light per thousand \$12.00
Medium " " 13.00
Heavy " " 15.00



TENTER HOOKS.

Heavy Tinned, Square Bill,
English Hook.

3 1/2 lb to one package.....	\$1.40
4 " " " "	1.50
4 1/2 " " " "	1.65
5 " " " "	1.75
6 " " " "	1.95

DUPLEX HOLD FAST
HOOK.

Made of Galvanized Wire.

Per thousand \$15.00

Used by Harness and Sole Leather
Tanners for hanging up leather.

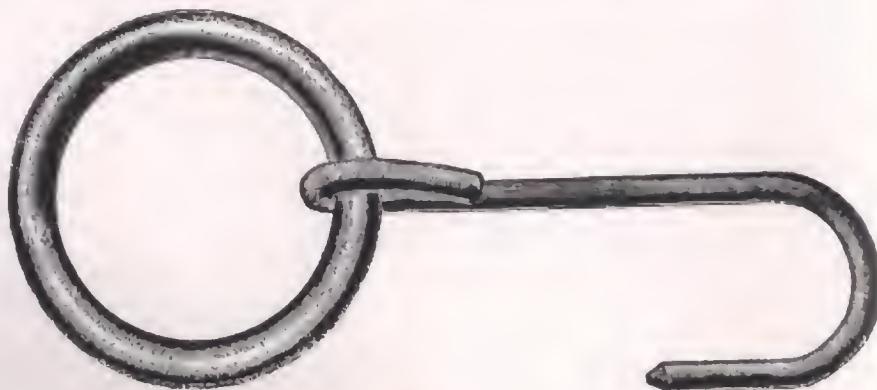


S HOOKS.

Steel S Hooks, per gross..... \$2.00

All Hooks are kept in stock for immediate delivery.

TANNER'S HOOKS, TONGS AND FORKS.



RING HOOK.

Galvanized Iron Wire with Malleable Iron Rings.....per thousand \$21.00



HIDE TONGS.

Tongs, 55 inches, full length.....each \$4.00
Tongs, 72 inches, full length.....each 4.40



TAN FORKS.

Scoop Shape, 8 Tines, Cast Steel.....	per dozen	\$18.00
" " 10 " " "	" "	21.00
" " 12 " " "	" "	24.50



LIME AND YARD HOOK.

Hooks, Steel, without Handles	per dozen	\$ 4.00
" " with 7 ft. Handles.....	" "	9.00
" " with 8 ft. extra heavy Handles.....	" "	13.00
Hooks with Ferrules Welded on and Handles 8 ft. long.....	" "	44.00

THERMOMETERS.



10 inch Thermometer in tin case	per dozen \$4.00
12 inch Thermometer in wood case.....	per dozen 10.00
Bark Hydrometer without Thermometer.....	6.00
Salometer for testing Salt Solution.....	6.00
Hydrometer for Testing Acids.....	6.00

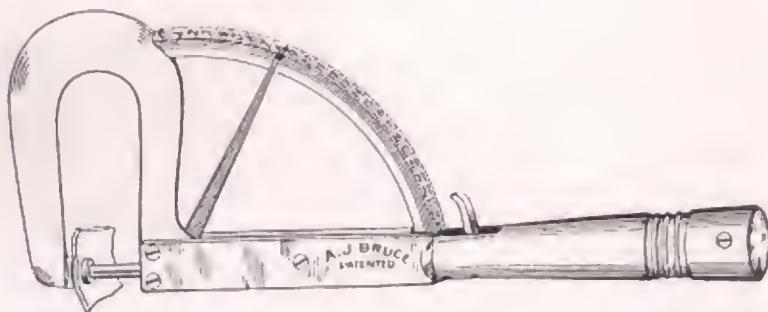
STUFFING WHEEL THERMOMETERS.



We have in stock thermometers to be attached to stuffing drums. The thermometer remains in a perpendicular position while the drum is in motion and can be easily read.

Price in Brass.....\$28.00

LEATHER GAUGE.



This is the standard leather gauge used by all the tanners for ascertaining the thickness of leather. It is made from aluminum, being very light, and finished all over.

Price \$10.00

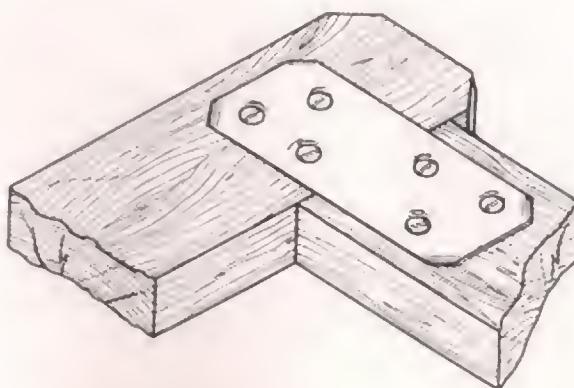
SOLE LEATHER GAUGES.

No 1—Vest Pocket Size.....	per dozen	\$10.00
No 2—Size 6½ inch x 2 inch.....	" "	18.00

CORNER IRONS FOR PATENT LEATHER FRAMES.

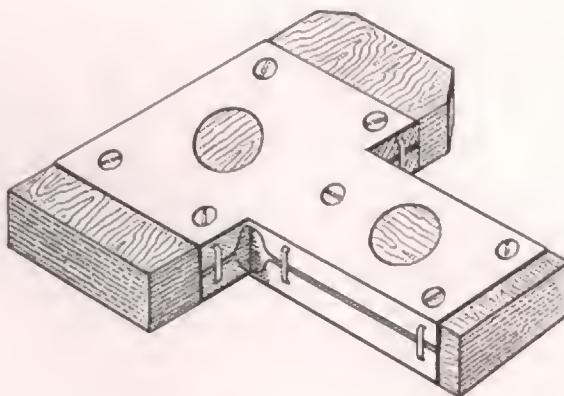


This illustration shows the iron plate as we ship same; notice the burrs at the screw holes, these are driven into the wood.



This illustration shows the plate screwed onto the wood frame. 8 plates required on 1 frame. Size of plates, $2\frac{1}{2}$ in. wide 6 in. long.

CORNER IRONS FOR PATENT LEATHER FRAMES.



This illustration shows a corner plate fastened onto the frame with wood screws and staples. This corner iron will hold the frame perfectly rigid.

Four irons required to one frame. Size of irons 6 in. x 7 in.

A vise for clamping irons onto the frame is furnished free with an order for 4000 Irons.

Size of wood that can be used with this style of iron is as follows:

$3\frac{1}{2}$ inches wide by $\frac{7}{8}$ inch thick.

$3\frac{1}{2}$ inches wide x $1\frac{1}{8}$ inch thick.

$3\frac{3}{8}$ inches wide x $1\frac{1}{8}$ inch thick.

CONVEYORS AND ELEVATORS.

The large experience we have had in Tannery equipments enables us to design, furnish and erect Conveyors and Elevators for conveying dry or wet bark. We can furnish either the belt or chain elevator, and also the screw or chain drag conveyor, together with all the required machinery for operating same.



Section showing construction of
Conveyor with return trough.

Another style of Conveyor Box
with return trough.



STANDARD DETACHABLE CHAIN BELT AND
SPROCKET WHEELS OF ALL
DESCRIPTIONS.



In ordering always state number of teeth in wheel.



GRIPLOCK RIVETED CHAIN BELT.

- No. 0319—Working Strain, 1900 lbs.—Will work on Sprocket Wheels Nos. 75-78-88.
No. 0321—Working Strain, 2300 lbs.—Will Work on Sprocket Wheels Nos. 75-78-88.
No. 0338—Working Strain, 2400 lbs.—Will work on Sprocket Wheels Nos. 85-95.
No. 0326—Working Strain, 2900 lbs.—Will work on Sprocket Wheel No. 103.



GRIPLOCK CONVEYOR CHAIN BELT.

- No. 430—Working Strain, 4000 lbs. Width over all, $9\frac{3}{8}$ inches.
No. 452—Working Strain, 6000 lbs. Width over all, $11\frac{3}{4}$ inches.

STANDARD DETACHABLE CHAIN BELT.



No. 88 FULL SIZE.

Approximate Links in 10 ft.	Working Strain	lbs.
No. 78 Chain.....	"	1200 lbs.
No. 77 "	"	1000 lbs.
No. 52 "	"	800 lbs.
	"	500 lbs.



No. 103 FULL SIZE.

Approximate Links in 10 ft.	Working Strain	lbs.
No. 95 Chain.....	"	1800 lbs.
No. 85 "	"	1600 lbs.
	"	1300 lbs.

ROCKERS.

We are equipped to furnish rocker frames to fit any size vats; these are generally made from hardwood lumber, fastened together at the corners with brass bolts. We arrange the rockers to swing on brass fittings, and drive same with either a rocker arm, single or double eccentrics, having a jaw clutch attached.

We furnish the rockers, eccentrics, shaftings, hangers, pulleys and the driving outfit completely installed ready for operation; we can also ship same knocked down or any parts for same.

SPRINKLERS.

We furnish sprinklers, either single or double, $1\frac{1}{2}$, $2\frac{1}{2}$ or 3 inch diameter. We make these of brass, the ends being fitted with valves. The swivel part is made to hang or fasten against the side of a trough as may be desired.

SLOCOMB and BAKER STAKING MACHINE PARTS
carried in stock.

NOTICE.

Glasses and Stones are carefully packed and shipped at buyer's risk.

Prices listed are subject to change without notice.

Discounts quoted on application.

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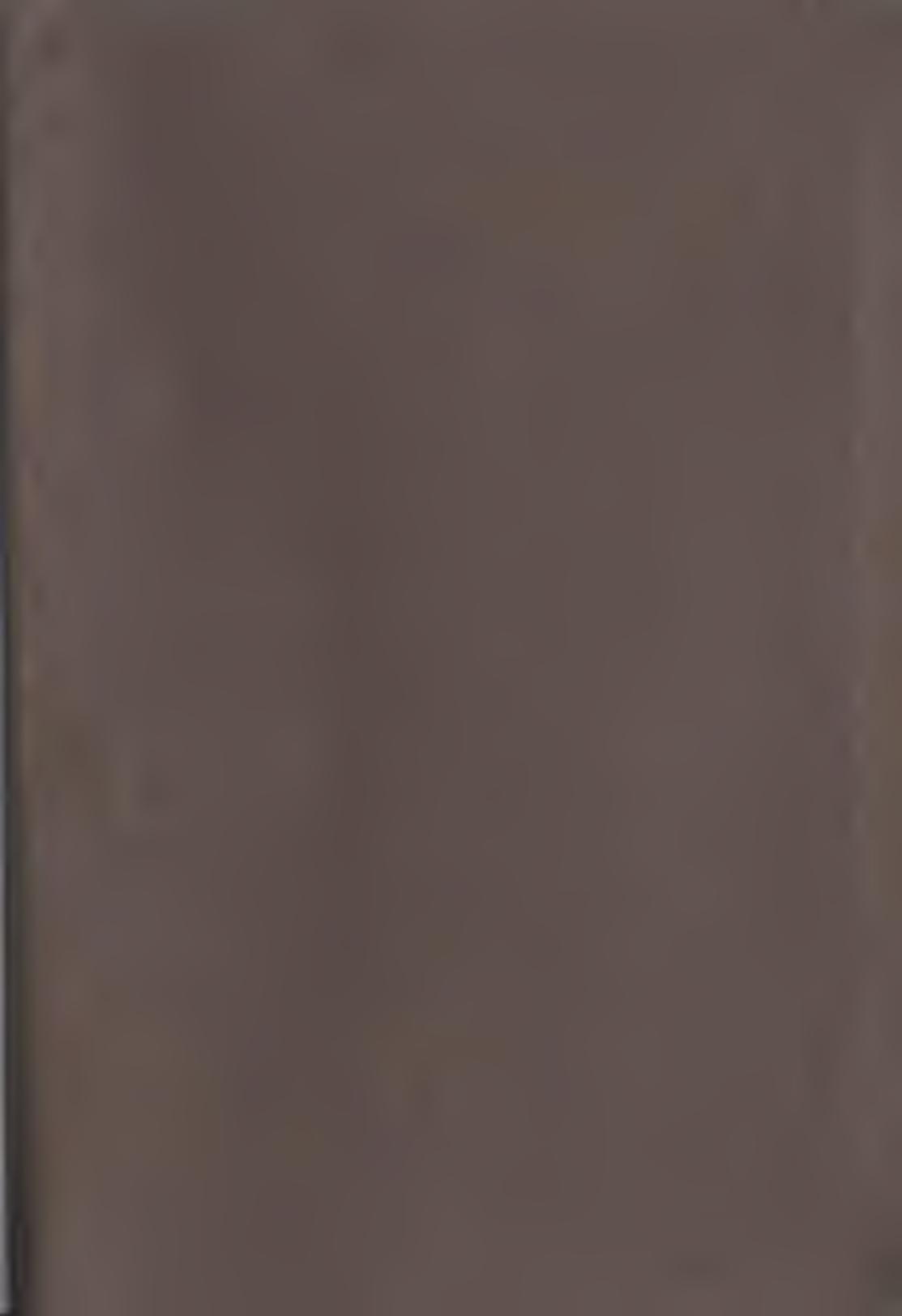
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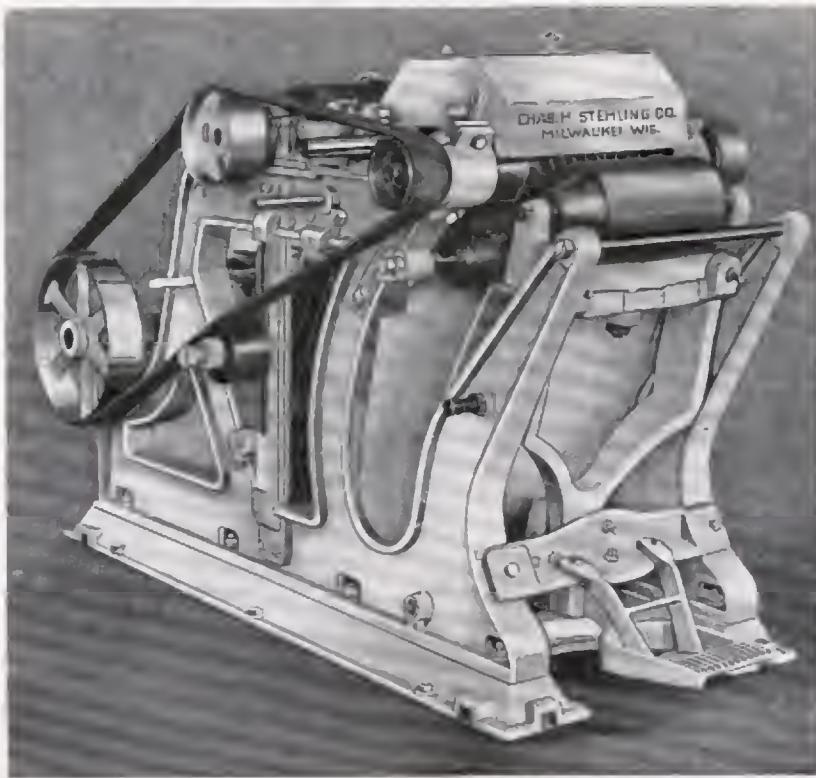
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Stehling's Ball Bearing Shaving Machine



This illustration shows our improved type of shaving machine equipped with ball bearings on the cylinder, grinder, drum pulley and countershaft. Another feature we wish to call to your attention, is the tightener on the driving belts, which saves the operator considerable labor in relacing and at the same time eliminates all slippage and chattering of the cylinder.

This machine is especially designed for shaving high grade leathers, such as goat, sheep, callskins, upper and side leathers.

Net Weight—2450 lbs. Boxed for Export—2850 lbs.

Size of Case—42 x 51 x 76 inches. 95 cubic feet.

Floor Space—6 ft. 2 in. x 3 ft. 9 in. Height—47 in.

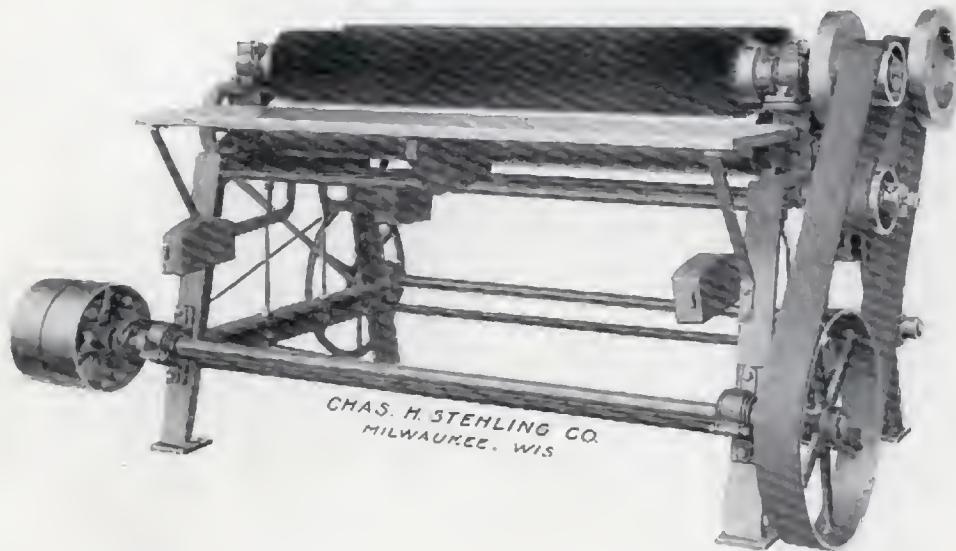
Pulleys—12 x 4 in. Speed 550 R. P. M.

Horse Power—2¹/₂

CHAS. H. STEHLING CO.

MILWAUKEE, WIS.

Leather Finishing Machine



This illustration shows our Leather Finishing Machine used by Harness Leather Tanners for finishing or polishing leather after it is blackened. The brush-rolls and countershaft are equipped with ball bearings. The feed-rolls are adjustable to accommodate the various thicknesses of leather.

Brush-rolls are 5' wide

Pulleys, tight and loose, 12" Dia. x 5" Face

Speed of Pulleys 275 Revolutions

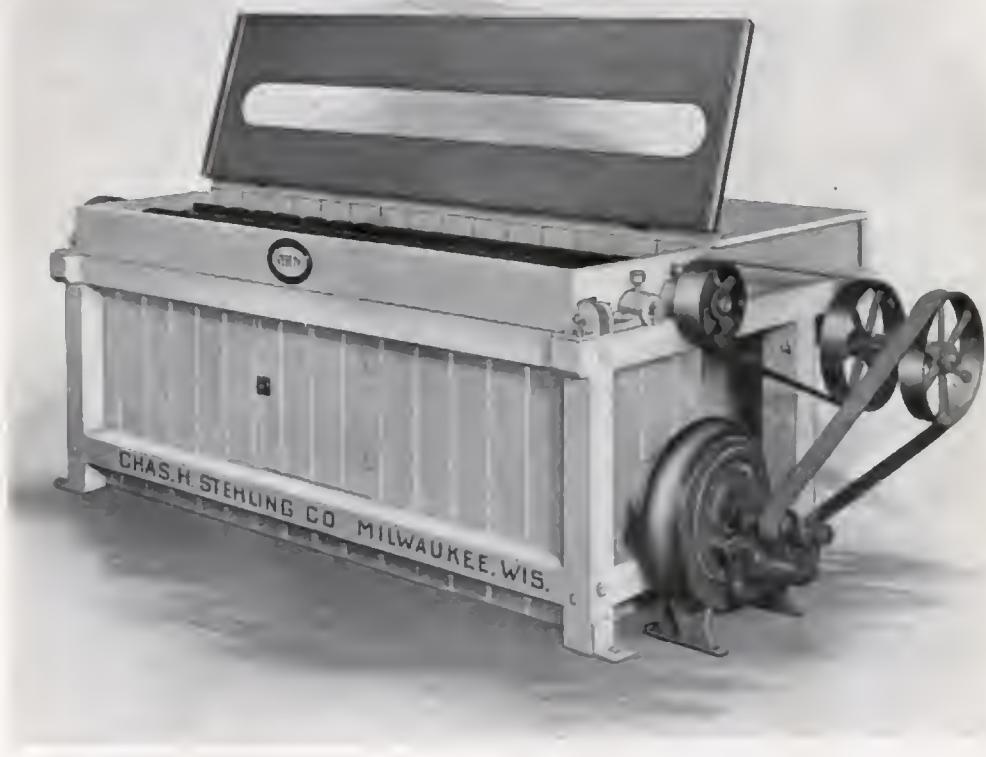
Horse power required 5

Shipping weight 2000 lbs.

Floor Space 8' 9" x 5" 3" x 4' 4" high

Requires 2 Operators. Capacity 1000 sides per day

Stehling's Brushing and Dusting-Off Machine



A valuable and desirable machine for dusting-off leather after buffing.

It is arranged with 2 brush rolls 6 feet long.

If machine is used for polishing, better results are obtained by feeding the leather into the machine grain side down.

Net Weight — 900 lbs. *Boxed for Export* — 1200 lbs.

Size of Case — 60 x 40 x 90 inches.

Floor Space — 55 x 114 inches. *Height* — 36 inches.

Size of Pulleys — 8 x 3½ inches. *Speed* — 525 R.P.M.

Polishing and Brushing Machine



This machine is used extensively by tanners on fancy colored leather. It is constructed of maple wood.

The table is regulated by a foot treadle which can be raised against the brush.

Floor Space 8' 5" x 3' 4"

Height 8 ft.

Pulleys 16 x 4 T & L

Speed 100 Rev.

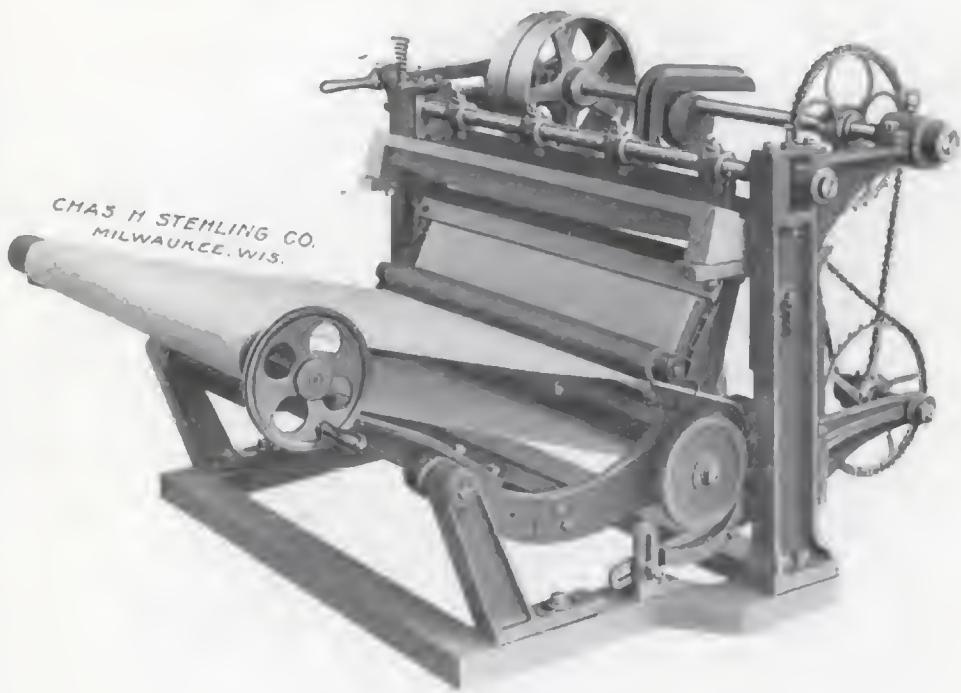
Horse Power 2

Weight 1000 lbs.

CHAS H. STEHLING CO.

Milwaukee, Wis.

Stehling's Unhairing Machine



This illustration shows the Unhairing Machine used by Fur Skin Dressers for cutting off the stiff hair on Fur Skins. The skins are pinned to the apron which automatically travels to the knife.

Width of Knife is 24"

Pulleys, Tight and Loose, 10" Dia. x 2" Face

Speed of Pulleys 80 Rev. per minute

Slipping Weight 450 lbs.

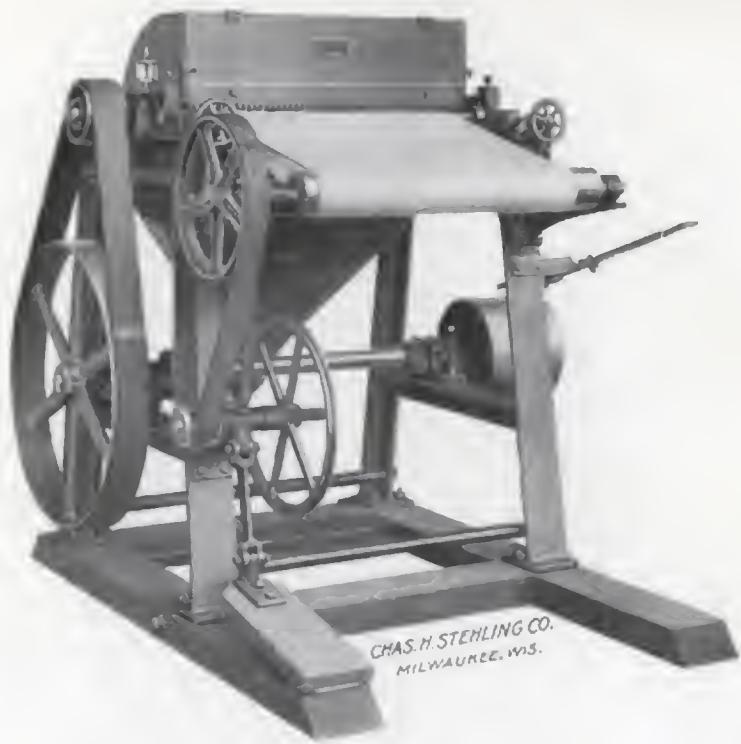
Floor Space 3' 6" x 4' 30" high

CHAS. H. STEHLING CO.

Milwaukee, Wis.

OVER

Stehling's Shearing Machine



This illustration shows the Shearing Machine used by Fur Skin Tanners for shearing the finest Fur Skins. The Skins are pinned to the apron and fed automatically to the revolving cylinder. It can be adjusted to shear any length.

It is also used on sheep skins.

Width of Cylinder, 24"

Pulleys, Tight and Loose, 10" Dia. x 5" Face

Speed of Pulleys, 325 Rev. per minute

Shipping Weight, 900 lbs.

Floor Space, 4' 8" x 4' 8" x 4' 6" high

CHAS. H. STEHLING CO.

Milwaukee, Wis.

OVER